

The Cotton Gin and Oil Mill

# PRESS

A PROGRESSIVE AND RESPONSIBLE PUBLICATION

JULY 25, 1959

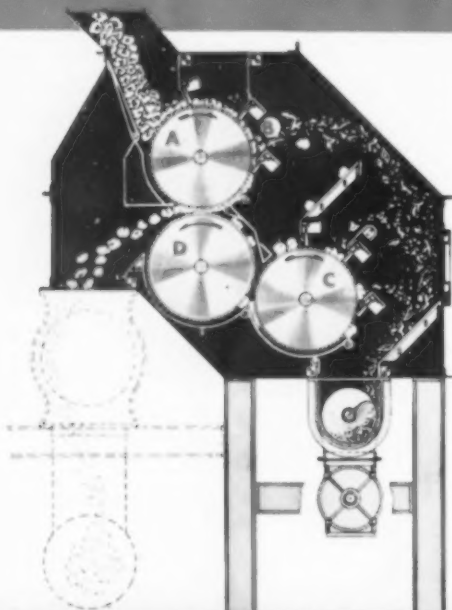


THE MAGAZINE OF THE COTTON GINNING  
AND OILSEED PROCESSING INDUSTRIES

EDITOR DEPT  
UNIVERSITY MICROFILMS, INC.  
313 N 1ST ST.  
ANN ARBOR, MICH.



# The Lummus **LITTLE GIANT** is a Sensation!

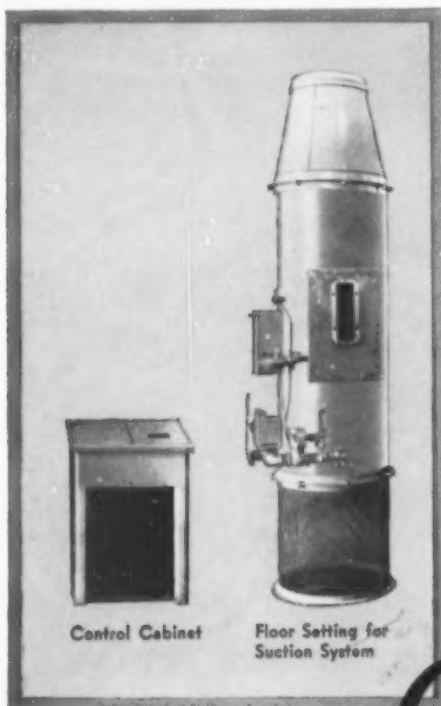


Here's how this pocket size Stick & Green Leaf Machine works:

- (a). Cotton is presented to Extracting Cylinder.
- (b). Foreign Matter is "Slung-off."
- (c). Good Cotton reclaimed without Grinding Action.
- (d). Clean Cotton doffed from Extractor and Reclaimer by All Metal "Doffing Cylinder."

- It's Simple • It Works
- It's Economical

**LUMMUS COTTON GIN CO.** Columbus, Ga. U. S. A. • Dallas • Fresno • Memphis



Control Cabinet

Floor Setting for Suction System

## CONTINENTAL *AIRLINE* HEATER

**3 Million B.T.U.— Natural or Butane Gas**

*Gives Instant Heat When You Need It  
Automatically — Accurately*

Super sensitive electronic controls provide complete automatic operation from start to stop . . . maintain correct temperature levels with amazing efficiency.

Remote control console type cabinet can be located at any point convenient to operator.

Fully protected for safety. Can be used in a suction, pressure or push-pull system.

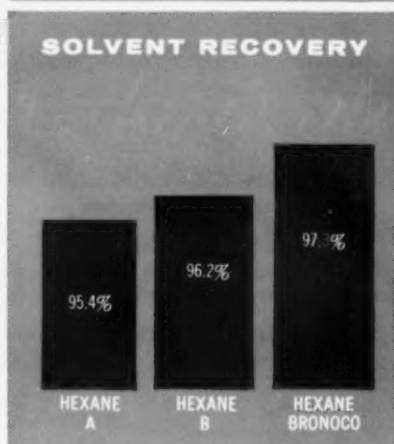
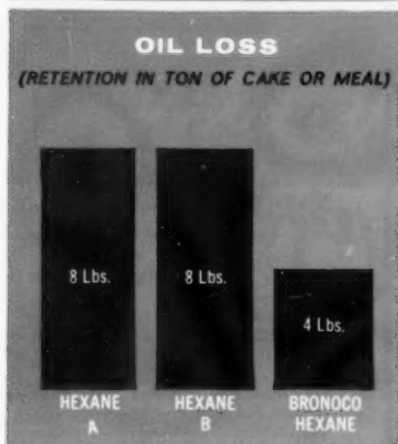
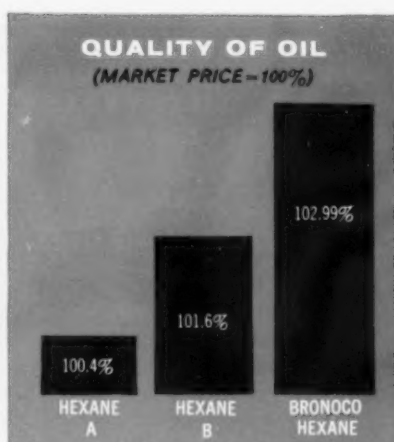
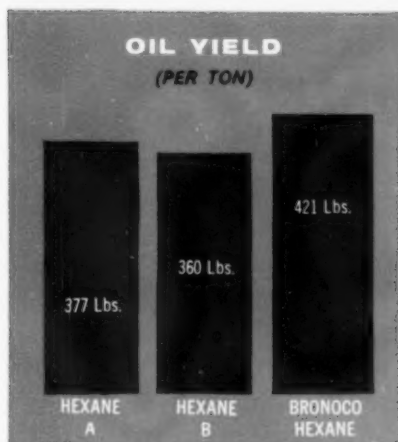
Illustration on left shows the heater setting on the floor. It can also be mounted on a fan for a pressure system or located in a pipe line, vertically or horizontally.

• Write for Descriptive Bulletin 239

ATLANTA • DALLAS • HARLINGEN  
LUBBOCK • MEMPHIS  
PHOENIX • TULARE

**Continental** **Gin Company**  
BIRMINGHAM, ALABAMA

Second-class mail privileges authorized at Dallas, Texas.



How  
Does  
Your  
Production  
Compare  
With  
This



**BRONOCO BALANCED COMPOSITION Hi-Efficiency HEXANE**  
*extracts more premium quality oil with less solvent loss*

If your output doesn't check out with the best figures on these charts you're losing, or wasting, up to 60 pounds of oil per ton of bean or seed! There's no fiction in the comparisons above; they illustrate results obtained by a 3-plant processor for half a year.

Plenty of other case histories indicate that your operation should be no exception to the rule—Bronoco Balanced Composition Hi-Efficiency Hexane will give you greater yield of higher price oil, with less odor, better color, and with an absolute minimum loss factor.

Proof? Phone, wire or write for complete data and generous samples for laboratory examination and test.

**TYPICAL ANALYSIS**

Aromatics .....	1.92%
Total Naphthenes .....	24.04%
Total Paraffines .....	74.04%
	100.00%

Immediate Delivery from a nearby Bronoco plant

**BRONOCO** BALANCED COMPOSITION  
**HI-EFFICIENCY HEXANE**



THE R. J. BROWN CO. • 1418 WITTENBERG AVENUE • ST. LOUIS 10, MISSOURI  
Plants: Akron, Bellaire, Ohio; Buffalo, Chicago, Cincinnati, Cleveland Columbus, Dayton, Decatur, Ill., Detroit, Indianapolis, Lansing, Louisville, Memphis, St. Louis  
In Canada: 150 Bronoco Avenue, Toronto 10  
For Service Call Your Local Bronoco Distributor

# THE COTTON GIN AND OIL MILL PRESS

## THE COTTON GIN AND OIL MILL PRESS...

READ BY COTTON GINNERS, COTTONSEED CRUSHERS AND OTHER OILSEED PROCESSORS FROM CALIFORNIA TO THE CAROLINAS

\*\*\*

## OFFICIAL MAGAZINE OF:

NATIONAL COTTONSEED PRODUCTS ASSOCIATION  
NATIONAL COTTON GINNERS' ASSOCIATION  
ALABAMA COTTON GINNERS' ASSOCIATION  
ARIZONA GINNERS' ASSOCIATION  
ARKANSAS-MISSOURI GINNERS' ASSOCIATION  
CALIFORNIA COTTON GINNERS' ASSOCIATION  
THE CAROLINAS GINNERS' ASSOCIATION  
GEORGIA COTTON GINNERS' ASSOCIATION  
LOUISIANA-MISSISSIPPI COTTON GINNERS' ASSOCIATION  
NEW MEXICO COTTON GINNERS' ASSOCIATION  
OKLAHOMA COTTON GINNERS' ASSOCIATION  
TENNESSEE COTTON GINNERS' ASSOCIATION  
TEXAS COTTON GINNERS' ASSOCIATION

\*

## THE COTTON GIN AND OIL MILL PRESS

is the Official Magazine of the foregoing associations for official communications and news releases, but the associations are in no way responsible for the editorial expressions or policies contained herein.

WALTER B. MOORE

Editor

HELEN TROY

Editorial Assistant

WASHINGTON REPRESENTATIVE  
(EDITORIAL ONLY)

FRED BAILEY

744 Jackson Place, N.W.  
Washington 6, D. C.

Published by

HAUGHTON PUBLISHING COMPANY

RICHARD HAUGHTON

Chairman of the Board

DICK HAUGHTON, JR.

President and Advertising Manager

GEORGE H. TRAYLOR

Executive Vice-President and  
Secretary-Treasurer

IVAN J. CAMPBELL

Vice-President

B. P. RIDGWAY

Vice-President and  
General Superintendent

## SUBSCRIPTION RATES:

Domestic: 1 year \$3; 2 years \$5; 3 years \$7.  
Foreign: Latin-American countries \$10; all others \$15 per year. (Not accepted for "Iron Curtain" countries). All subscriptions cash with order.

Published Every Other Saturday

\*\*\*

## EXECUTIVE AND EDITORIAL OFFICES:

3116 COMMERCE STREET, DALLAS 26, TEXAS



## OUR COVER PICTURE:

The scene on our cover is one from the annual "Feeding Practices" published for more than 30 years by cotton oil mills through their National Cottonseed Products Association Research and Educational Division. This bulletin is "must" reading for producers and feeders of livestock, and students of feeding. Taken by a member of the NCPA staff, the picture shows a typical Southern scene.

Photo courtesy NCPA

.....  
**laugh it off!**  
.....

After she returned home from a bridge party, the mistress inquired of the new French nurse, "Did the children behave when you bathed them?"

"All except ze biggest boy; he fight and kick before I get heem in ze water," replied the nurse.

"Which biggest boy? We've only got one boy."

"Eet is not liddle Bertie I mean; eet is ze beeg boy with ze glasses and dark hair."

"Good heavens, that's my husband!"

.....  
The mother of a 10-year-old boy who attends one of our local progressive schools reports that her offspring came home in a very despondent mood one recent afternoon. When she asked the boy what was eating him, he replied, "The psychologist gave us a test and found out I was the only one in my class who never wanted to kill anybody."

.....  
I used to yearn  
For money to burn  
And time to gad about.  
Now, I have the dough  
And time to go  
But the doggoned fire is out.

.....  
Farmer Brown: Well, how did your potato crop turn out?

Farmer Green: Splendid. Some as big as marbles, some as big as peas, and, of course, there were a lot of little ones.

.....  
The small boy entered the drug store and asked for some pills.

"Anti-bilious?" asked the pharmacist.

"No—but uncle is," came the reply.

.....  
"Avoid him! Avoid him!" the fighter's manager kept screaming at him.

The fighter finally stopped and turned to the manager. "What do you want me to do?" he asked. "Leave town?"

.....  
Mars has started moving farther away from the earth again. Don't know as we blame it, either.

.....  
Missile scientist at Cape Canaveral, to associate: "Just imagine, eight years at M.I.T. and all I do is stand here and count backwards from ten!"

.....  
Mary: "I had a quiet evening alone with a book last night."

Jane: "I'm afraid that's going to happen to me sometime, too."

.....  
"I can't understand them," said Mrs. Jones. "They have no car, no television set, and she has no jewelry and no fur coat."

"Perhaps," said Mr. Jones, "they just have money."

.....  
One of the great mysteries of life is how the boy who wasn't good enough to marry the daughter can be the father of the smartest grandchild in the world.

.....  
"Dear, for some reason you just don't seem as well dressed as you did when we were first married," the young matron said to her husband.

"I don't see why not," he replied. "I'm wearing exactly the same suit."

THE COTTON GIN AND OIL MILL PRESS  
JULY 25, 1959





*Wherever there's ginning...*

Lubbock County, Texas

## CLIMAX Cotton Gin ENGINES

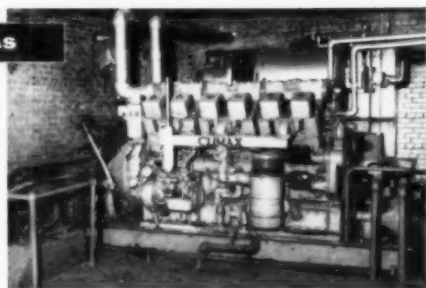
Designed and made especially for the modern gin and today's accessories—Climax Cotton Gin Engines put out all the power you need for ginning—and extra power when needed for emergency overloads. With this Climax dependability is combined ease of operation and quick accessibility. Their in-built fuel economy and low upkeep features assure the lowest cost per bale. Send for Bulletins.

CONTINUOUS DUTY COTTON GIN HORSEPOWER

Model	Bore & S.	Displ.	Natural Gas Fuel			
			Brake HP at Speeds Shown			
			700	800	900	1050
K-67	7 x 7	1616	132	151	168	192
K-75	7½ x 7	1855	150	170	192	220
V-80	7 x 7	2155	170	194	218	250
V-85	7½ x 7	2474	198	228	254	285
V-122	7 x 7	3232	264	304	334	380
V-125	7½ x 7	3711	296	345	392	444

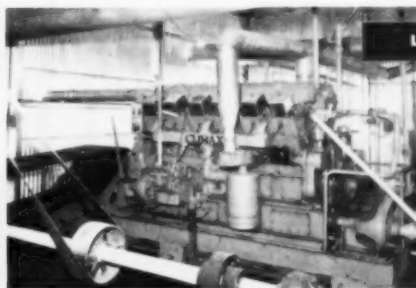
### ARKANSAS

South  
Central  
Mississippi  
County



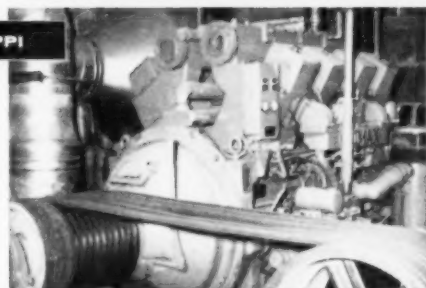
### LOUISIANA

North  
Central  
Caddo  
County



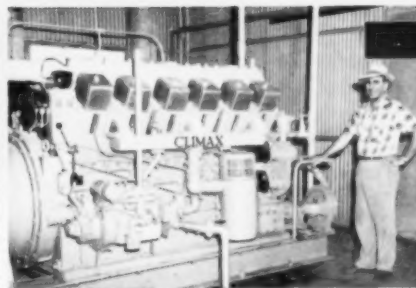
### MISSISSIPPI

North  
Eastern  
Grenada  
County



### TEXAS

South  
Western  
Hidalgo  
County



CL-103

CLIMAX ENGINE MANUFACTURING CO. • DIVISION OF WAUKESHA MOTOR COMPANY  
FACTORY—CLINTON, IOWA



Behind  
the  
eight ball?

## Try Phillips High Purity\* Normal Hexane

This premium solvent . . . made specially for oilseed processing . . . has solved expensive, troublesome production problems for operators everywhere. It COSTS NO MORE THAN OTHER HEXANES . . . yet, look at all these benefits:

- High Normal Hexane content permits more efficient operation at higher temperatures.
- Lower specific gravity assures better solvent separation and fewer emulsion problems.

● Low benzene and sulfur contents result in improved color and odor of extracted oil.

● Narrow boiling range results in improved solvent recovery.

\* \* \*

For immediate delivery from one of many convenient shipping points, call or write today. Complete information and a sample of Phillips High Purity Normal Hexane available on request.



\*85% Minimum Purity

**PHILLIPS PETROLEUM COMPANY**

*Special Products Division*

Bartlesville, Oklahoma



Phone: FEderal 6-6600

THE COTTON GIN AND OIL MILL PRESS  
JULY 25, 1959



INTERIOR VIEW of the spinning frames, made by Saco-Lowell Shops, included in the new USDA pilot laboratory at Clemson College. The laboratory has been called the missing link in cotton research, enabling for the first time—in one place—complete research from field to fabric. Dr. Herrmann and McLaurin (left to right) are shown inspecting the operations.

by  
**RAY DAVIS, Editor,**  
**Clemson News Bureau**

**C**LEMSON COLLEGE — the South Carolina school in the heart of the textile and agricultural South, calls itself "Cotton Research Center of the World."

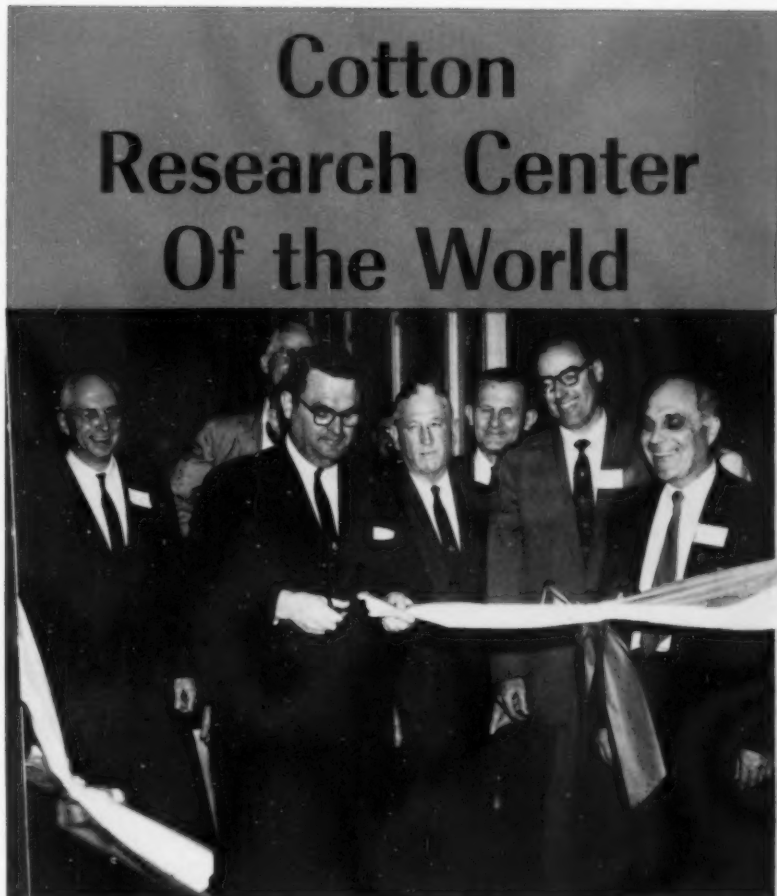
And Clemson backs up its claim with a unique list of research institutions that work with cotton from the field to the finished product.

The clincher, cotton men at Clemson say, was the dedication in April of the new \$90,000, 1,000-spindle USDA cotton spinning pilot laboratory.

Almost simultaneously, in Washington, the cotton industry launched a drive in Congress for \$400,000 to install weaving and finishing machinery, and an additional \$100,000 to place the Clemson mill on a two-shift basis—in a speed-up of the new important tests.

The pilot laboratory is a cooperative effort of the USDA, Clemson College and the National Cotton Council of America. It is housed in the J. E. Sirrine Textile Building on campus, and directed by Clemson-born Henry Shanklin, field station leader for the Marketing Research Division of the Agricultural Marketing Service.

Clemson College President Dr. Robert C. Edwards, a highly successful textile



Clemson News Bureau Photo.

CLEMSON President Robert C. Edwards cuts the ribbon dedicating the 1,000-spindle USDA cotton spinning pilot laboratory. Among those present at the opening ceremonies were (left to right) Dr. J. P. Elting, chairman, Research and Technical Service, American Cotton Manufacturers' Institute, and with Research Laboratories, The Kendall Co., Paw Creek, N.S.; President Edwards, who for 19 years, served as an executive in the textile industry; J. F. (Skeets) McLaurin, Bennettsville, S.C., ginner and member of the Clemson board of trustees; Dr. Omer W. Herrmann, deputy administrator, Agricultural Marketing Service, USDA, Washington; Dr. George S. Buck, Jr., assistant to the executive vice-president, National Cotton Council of America, Memphis; and W. T. Pentzer, chief, Biological Sciences Branch, USDA, Washington.

executive for 19 years, observes significantly that "this is the first time all segments of the cotton industry have joined together to solve their problems.

#### Many Research Activities

"This unit represents a very necessary link in a chain of research facilities located on this campus," he says, in discussing the laboratory's importance to the college. Clemson already possessed probably the most extensive cotton research program in the nation.

The main cotton fiber and spinning laboratories of the USDA are located here. A modern cotton fiber testing laboratory, serving cotton mills, is maintained by the Division of Technical Services of the American Cotton Manufacturers' Institute. The research department of the School of Textiles here conducts sponsored research, and independent research as well.

USDA's Southwestern Regional Ginning Laboratory is also located on campus, and the college provides the world's

only graduate program in cotton ginning engineering.

"The fact that this laboratory was being located here played a very important part in Saco-Lowell's decision to place their Research and Development Center at Clemson," Dr. Edwards reveals. The Saco-Lowell plant is the first of at least eight charted for the newly-established Ravenel Research Center here.

Services not directly tied to cotton programs are regularly available through the Clemson Extension Service and the South Carolina Experiment Station.

The experiment station, with six branches in diverse regions, is the state's center for technical research activities and methods of improving the 'know-how' in all phases of agriculture. The extension service collects and assembles new information for farm people — techniques for "writing the results in soil."

Clemson is headquarters, too, for the fertilizer inspection and analysis work,

(Continued on Page 29)



## **GUIDANCE**

Guidance for the cotton man, domestic and international, in every phase of financing and distribution . . . this is a major responsibility of the International Department of Republic National Bank of Dallas . . . the bank that works hand in hand with the cotton man. How may we serve you?

## **REPUBLIC NATIONAL BANK** OF DALLAS

CAPITAL AND SURPLUS \$100,000,000\* LARGEST IN THE SOUTH

MEMBER FEDERAL DEPOSIT INSURANCE CORPORATION



## S. S. Andrews, Mitchell Co. Representative, Dies

Many friends in the ginning industry have been saddened by the passing of Samuel Sylvester Andrews, representative of the John E. Mitchell Co. in North Texas, Oklahoma and Western Arkansas.

He was born Sept. 29, 1893, at Rockett, Texas, the son of Mr. and Mrs. J. T. Andrews. He was associated with Andrews & Son Gin Co., Waxahachie, before 1935, joining the Mitchell organization on Feb. 1, 1936.

Andrews attended public schools in



S. S. ANDREWS

Waxahachie and Trinity University, at that time located in Waxahachie. He was a veteran of World War I.

Survivors include his wife, the former Edith Koger; two daughters, Mrs. Allen Rogers, Temple; and Mrs. R. Floyd Price, Jr., Kerrville, Texas; and five grandchildren.

Andrews was a Mason and a member of the Presbyterian Church.

Commenting on his death, John E. Mitchell, Jr., president of the Mitchell Co., said: "Vester Andrews was not only a splendid representative of the company—conscientious, loyal and capable—but he was a splendid Christian gentleman. We shall all miss him not only as a team-mate and fellow-worker, but as a dear personal friend."

## Soybean Association Plans To Expand and Modernize

Tri-County Co-op Soybean Association of Dawson, Minn., has announced plans to expand and modernize its solvent extraction soybean processing facilities, which will more than double their present processing capacity.

The new facilities will be ready for operation on the new soybean crop. Construction work has been planned and is being carried out so that there will be practically no interruption in the present operation, enabling Tri-County to continue service almost without interruption.

■ MR. AND MRS. FRED SCHMIDT (Dad manages Producers Cotton Oil Co. Gin at Tagus, Calif.) are the parents of Lisa Marie, a daughter born in June.

## Dates Set for Gin Supply Exhibits

Dates for the 1960 Southeastern Gin Suppliers' Exhibit in Atlanta have been announced. Displays will be set up Feb. 3-4, and meetings held on Feb. 5-6, Tom Murray, Decatur, who is in charge of the arrangements, has announced. Meetings will be at the Atlanta Biltmore.

Alabama-Florida Cotton Ginners' Association, Georgia Cotton Ginners' Association and Carolinas Ginners' Association will hold their annual meeting in conjunction with the displays.

Exhibit space may be reserved by writing to Murray at P.O. Box 1098, Decatur, Ga.

## South Carolina Leader, E. N. Sitton, Dies

Eugene Norton Sitton, 68, Anderson, S.C., died recently at his home.

Sitton, who had been closely associated with the business life of Pendleton and Anderson for many years, died following several months of declining health and a serious illness of a few weeks.

He was born in Autun, now LaFrance, on July 18, 1890, and was educated at Pendleton and graduated from Clemson College with a degree in textile engineering in the class of 1911.

He became associated with the Pendleton Manufacturing Co., and served as president of that company until the mill was sold to its present owners, the LaFrance Manufacturing Co. in 1929.

Sitton had, in the meantime, become associated with the Pendleton Oil Mill in the early phases of his career, and after the sale of the Pendleton Manufacturing Co., he devoted much of his time to that company, in recent years as chairman of the board of directors. He had served as a ginner delegate to the National Cotton Council, and as a director of both the South Carolina Cotton Seed Crushers' Association, and the Carolinas Ginners' Association.

## Carolinas Ginners Set District Meetings

Carolinas Ginners' Association, Inc., has announced the schedule for district meetings. Three directors for each district will be elected during the meetings, and a talk outlining Choice "A" and "B," will be given, followed by a discussion period. A meal will be served immediately preceding each business session.

The meetings are scheduled as follows:

Aug. 3, Clemson House, Clemson, S.C., 10:30 a.m.; Aug. 4, Frank's, Sumter, S.C., 7:30 p.m.; Aug. 6, Jack Nolen's, Orangeburg, S.C., 7:30 p.m.; Aug. 10, Bar-B-Que House, Dunn, N.C., 7:30 p.m.; Aug. 11, Overton's, Rocky Mount, N.C., 7:30 p.m. and Aug. 13, Brackets Cedar Park, Shelby, N.C., 6:30 p.m.

## Advertising Director Named

James Willis has been promoted to the new post of director of advertising and sales promotion for Spencer Kellogg and Sons, Inc., Buffalo. He has been in vegetable oils sales work in the New York office for the past four years.

## Spend a Weekend

AIR CONDITIONED

## at White Plaza HOTEL

FAMILY PLAN  
Children under 14  
years of age—FREE.

DALLAS

1933 Main St.

In downtown Dallas—heart of the smart shopping district, near all entertainment. For those who demand the best in hotel accommodations. Completely air-conditioned. Fine food at moderate prices. Garage service at Door.

From \$4 single

Tel. RA-7251

## SAN ANTONIO

207 E. Travis St.

Enjoy the color and charm of San Antonio—unequaled recreational facilities. White Plaza provides gracious living and is conveniently located to all activities and sight-seeing. Coffee Shop. Garage Service at Door.

From \$3.75 single

Tel. CA 6-7491

## CORPUS CHRISTI

600 Leopard St.

Visit Corpus Christi, famed for its sandy beaches and sporty game fishing—and, stay at the White Plaza Hotel, famed for friendly service and excellent cuisine. Overlooking Gulf of Mexico, near all activities and recreation. Garage Service at Door.

From \$4 single

Tel. 4-5221

\* Free radio in every room.

\* TELEVISION AVAILABLE

## TEXAS HOSPITALITY at its best!



Jack White, Operator.

## Volume of Futures Trading Dropped in 1958-59

Futures trading in 21 commodities showed a decline in volume during 1958-59.

USDA reports a 34-year low in cotton futures volume, the total dropping from 25,202,000 bales the previous year to 19,709,000 in 1958-59.

Soybean oil futures rose 5.5 percent in volume to 9,400,000,000 pounds. Soybean meal futures rose to a record 19,325,000 tons from only 6,684,900 the previous year.

Cottonseed meal futures volume was down 41.1 percent to 53,400 tons. Cottonseed oil trading was 3,425,100,000 pounds, a drop of 4.1 percent.

## USDA and Clemson Studying Cotton Stretch Yarns

USDA on July 20 announced that a contract has been made with Clemson College (See article on Page 7) for research on producing permanently elastic cotton yarns for socks and other knitwear.

Thomas Esland will be in charge of the Clemson studies, and L. W. Mazzeno, Jr., will supervise for USDA's Southern Utilization Research Division.

■ **BOB HOWARD**, traveling auditor for Southland Cotton Oil Co., has been transferred to the Paris Office, where he will be seed buyer for the Oklahoma territory.

## Lions' Cotton Crop Aids Recreation Fund

Sixteen acres of cotton are helping the Corcoran, Calif., Lions Club make money for a recreation fund. Lions handled the work of producing the crop.

Firms that donated supplies for the enterprise included: Wayne Murray Farm, San Joaquin Cotton Oil Co., Mid-Valley Chemical Co., Lakeland Dusters, Inc.; Coberly Plumb Fertilizer Co., Calarco, Inc.; Collier Chemical Co., Agri-form Hixon, Inc.; W. W. Boswell, Jr.; Quaadman Aviation, Salyer Land Co., Southlake Farms, J. G. Boswell Co., Gilkey Farms and Cross Hardware.

## Crushers Discuss Plans For Feeding Research

Texas Cottonseed Crushers' Association members discussed plans for the annual livestock feeding project at Texas Technological College at a meeting in Lubbock on July 22. The meeting was sponsored by the College Relations Committee, headed by Roy Mack, Lubbock.

Present for the conference were Peter Fox, Roy Davis, George Brassell, Dixon White, Mark Wadzeck, R. G. Fleming, Rufus Grisham, John O'Dell, Morris McElreath, Jack Whetstone, and Garlon A. Harper and Kenneth Lewis.



GET  
**INDIA'S BEST**  
BAGGING  
FOR  
**AMERICA'S BEST**  
COTTON

USE THE FINEST

BAGGING BEING IMPORTED INTO THE U. S. A. TODAY!

INSIST ON

**"Pride of India"**

MANUFACTURED IN INDIA



**JUTE BAGGING**

**C. G. Trading Corporation**

122 EAST 42nd ST. • NEW YORK, N. Y.



## Joining Murray Staff

**RICHARD G. (DICK) YEAGER** will join The Murray Co. of Texas, Inc., as a sales representative Aug. 1, 1959. Gene Roberts, district sales manager, has announced. Dick comes to Murray from five years of field representative work with the National Cotton Council. He first represented the Council in Oklahoma, but has served Central Texas since 1956.

Present plans are for Dick to have headquarters in Vernon, Texas, and to represent Murray in the Oklahoma area. Prior to working with the National Cotton Council, Dick was an agricultural instructor for the Verden Public School System in Verden, Okla. Dick is 30 years of age and married. He attended school in Blue Ridge, Texas; graduated from Arlington State College in Arlington, Texas; and Oklahoma A&M at Stillwater, Okla.

Stocks Maintained in Houston and Corpus Christi, Texas; Charleston, South Carolina

AROUND  
THE  
WORLD  
WITH  
OILSEEDS  
AND  
COTTON

• **WILL PROMOTE COTTON**—Philippine and Indian cotton organizations have signed agreements for cotton market promotion jointly with Cotton Council International. India's program will start with economic and market research studies. The Philippine project will include publicity, sales promotion, cotton weeks and similar activities.

• **SIX RECORDS IN ROW**—For the sixth successive year, world production of peanuts set a record in 1958. USDA says the rise of 683,000 tons from 1957 was due to expansion in India, the U.S., Brazil and Communist China.

• **CARTOONS FOR COTTON**—Humorous cartoons are being used to promote cotton in advertising by the Austrian Cotton Institute. "It's Pure Cotton, My Friend," is the slogan on each cartoon. One shows a wife handing a dishtowel to her husband—another shows a criminal escaping from a cell window by use of sheets.

• **MORE FATS IN JAPAN**—Margarine and shortening output in Japan promises to set a record in 1959. Production has more than tripled since 1951. Sixty-five percent of the oils come from marine and animal sources, with whale oil accounting for one-fourth of the margarine and shortening production.

• **NEW SHIRTS, NEW MARKETS**—Redesigning of shirts is helping to sell cotton in Germany. A survey showed 98 percent of German men's shirts were made of cotton, but laundering was costly because they buttoned only part of the way down the front and had to be hand-laundered. Because of costs, Germans changed their shirts only two or three times weekly. With shirts that button all of the way down, laundering costs have dropped, men change more often and more cotton will be used, says Cotton Council International.

• **COTTON IN PHILIPPINES**—Cotton is being grown in the Philippines for the first time since the Spaniards failed 125 years ago. Harry Stonehill, an ex-GI who "fell in love" with the Islands during the War and has had a fabulous business career since, introduced cotton and tobacco. His interests include oil, window glass, real estate and housing and other enterprises.

• **COTTON STATISTICS**—International Cotton Advisory Committee has published a new edition of the most complete statistical reference on world cotton. The 268-page book may be bought for \$2.50 per copy, postpaid, from Secretariat, International Cotton Advisory Committee, South Agriculture Building, Washington 25, D.C., USA.

Detailed data are given on cotton acreages, yields, production, consumption, exports, imports, stocks and prices for the world and for most individual

countries. Similar tables are given on production, imports and exports of cotton yarn, cotton cloth, and rayon cloth.

In general, cotton statistics are given annually from 1945-46 to date and for textiles and man-made fibers from 1949 to date, world data on cotton production, exports and imports go back to 1924-25 and on cotton consumption to 1934-35.

• **MORE COTTON, BUT NONE TO WEAR**—Despite the drive to increase cotton production, Chinese peasants have had trouble getting their traditional padded cotton clothing, Hongkong dispatches indicate. Last year, the Communists boasted that China was growing more cotton than the U.S.—now they've reduced their claims of production from 3,500,000 tons to 2,800,000. But, they're urging peasants to produce five million tons next year. Pressure also is on for more soybeans, peanuts and other oilseeds.

• **CUBA FINANCING OILSEEDS**—Cuban governmental agencies plan to finance 10,000 acres of soybeans and 10,000 acres of cotton in 1959. These acres should supply 200,000 bushels of soybeans and 3,500 tons of cottonseed for crushing.

A new oil mill in Havana is currently crushing 150 tons of U.S. soybeans daily, and two new mills are scheduled to start processing oilseeds this fall.

## Texas Law Officers Back Cotton by Wearing It

County law enforcement officers in Fannin County, Texas, officially have come out in favor of cotton.

Sheriff Hoyt Ivey, and his deputies are wearing cotton uniforms at all times. Sheriff Ivey, Deputy Sheriff Leon Shastid, and Texas Ranger G. W. Burks ordered cotton gabardine suits and wear them with white cotton shirts and cotton ties. A new deputy, Odell Hyepock, has also joined the "wear cotton" effort.

Sheriff Ivey pointed out that cotton is the major crop produced by Fannin County farmers and that every Fannin County resident should wear cotton garments.

## Calcot Rebuilds After Fire

Calcot, Inc., Bakersfield, Calif., is repairing its new headquarters offices, damaged by fire July 5. Defective wiring is believed to be the cause. Damage to the building, only a few months old, exceeded \$75,000.

■ **WILLIAM "HAP" DANIEL** has been promoted to manager of the Paymaster Gin at Muleshoe, Texas, where he formerly held the post of ginner.



Insist on

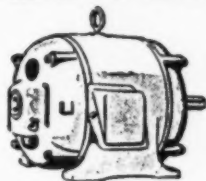
**CROWN BRAND REX VARIETY**  
for 1960 Planting

- EARLY MATURITY
- RESISTANT TO WILT AND BLIGHT
- HIGH YIELD
- 36% TO 38% GIN TURNOUT

Write for Name of your Nearest Dealer

**REX SEED, INC.**  
PARKIN ARKANSAS

# SPARE MOTORS



FOR GINS AND OIL MILLS

Delivered and Installed  
Anywhere — Anytime

ELECTRIC MOTOR REPAIR  
AND REWINDING

New Motors

Allis-Chalmers  
Century  
A. O. Smith  
Baldor  
Delco

Industrial Supplies

Lummus Gin Repair Parts Dayton Belts

**LUBBOCK ELECTRIC CO.**

1108 34th Street

Phone

Day SH 4-2336

Night SH 4-7827

LUBBOCK, TEXAS







OFFICERS of the two national soybean organizations that will meet Aug. 10-12 at the Sheraton-Jefferson Hotel in St. Louis are shown in these pictures. American Soybean Association officers, in the picture at the left, include, left to right: John Sawyer, London, Ohio, president; George M. Strayer, Hudson, Iowa, executive vice-president; and C. G. Simcox, Assumption, Ill., vice-president. The picture on the right shows, left to right, these officials of National Soybean Processors' Association: Glenn Pogeler, Mason City, Iowa, vice-chairman of the board; Don Walker, St. Louis, secretary; Harold Abbott, Bloomington, Ill., treasurer; M. D. McVay, Minneapolis, board chairman; R. G. Houghtlin, Chicago, president.

At St. Louis, Aug. 11-12

## Need for Soybeans Meeting Theme

■ **WORLD TRADE** will be stressed by speakers. Processors and Council will meet.

"The World Needs More Soybeans" will be the theme for the thirty-ninth annual convention of the American Soybean Association Aug. 11-12 at the Sheraton-Jefferson in St. Louis. National Soybean Processors' Associa-

tion and the National Soybean Crop Improvement Council will meet Aug. 10 in the same hotel.

Activities of the Soybean Council of America, the organization set up to stimulate export trade, will occupy much of the attention of the ASA meeting. Fred R. Marti, Rome, the Council's European director, will outline trade on that continent; A. K. Smith, USDA, and Tokuji Watanabe, Tokyo, will review research to increase use of U.S. beans in Japanese foods; and Russell Hudson, USDA, will discuss market development programs abroad.

Ersel Walley, past president of ASA, will speak on the convention theme. Other speakers will include Elmer

Kiehl, University of Missouri; Herbert W. Johnson, USDA; John E. Bligh, Queensland, Australia; Luther J. Pickrel, Minnesota Extension Service; and T. A. Hieronymus, University of Illinois.

Speaker at the annual banquet will be the Reverend Clarence G. Hall, Catlin, Ill.

Many firms will have exhibits at the meeting.

Officers of American Soybean Association are: John Sawyer, London, Ohio, president; C. G. Simcox, Assumption, Ill., vice-president; George M. Strayer, Hudson, Iowa, executive vice-president and secretary-treasurer.

Directors are: Jake Hartz, Jr., Stutt-

(Continued on Page 27)

## THE BUY FOR '59 .... CEN-TENNIAL COMBINATION 120 SAW GIN

### FIVE STAR VALUE

- ★ 120 SAWS
- ★ WIDER RIBS
- ★ 3  $\frac{7}{16}$ " DIAMETER SAW SHAFT
- ★ PERMANENTLY SEALED BEARINGS
- ★ STAINLESS STEEL ROLL BOX



The Perfect Combination —  
"Cleans as it Gins"

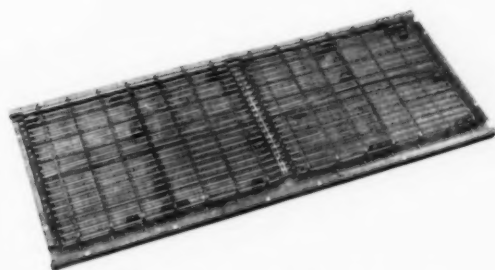
**Cen-Tennial**

**COTTON GIN CO.**

DALLAS, TEXAS • COLUMBUS, GA. • MEMPHIS, TENN.



**YOU GET  
CLEAN MEATS**  
from  
*Bauer*  
**SEPARATORS**



**BALL CAGE SASH.** Tough, live rubber balls bounce as the shaker vibrates to bump twigs and stems out of screen openings. This is an exclusive feature available only with our separators.

In our separators, the decorticated seeds pass over two screens designed specifically for applications like yours. The first screen culls out the uncut seeds as the meats fall to the lower tray. There the second screen allows the unwanted finer particles to sift through. Meanwhile, air currents efficiently remove the hulls and lint and carry them to a cyclone collector. The separator discharges the meats from the lower tray entirely clean.

Perforated screens on the upper and lower trays can be readily interchanged for various screening classifications required to control protein content of cake or seed residue.

*For more detailed information,  
ask for Bulletin 0-9.*

**THE BAUER BROS. CO.**

1701 SHERIDAN AVE. • SPRINGFIELD, OHIO

## Supplement To Be Offered About Home Furnishings

It takes cotton to make a house a home, according to the National Cotton Council's fall home furnishings supplement.

Printed for August distribution to 2,800 daily and weekly newspapers, the feature page offers a variety of stories and photos illustrating cotton's roof-to-cellar appeal in today's homes.

The latest styles in cotton sheets, towels, bedspreads, draperies, floor coverings, slipcovers and other decorative fabrics are promoted in photos of glamorous cotton interiors.

This will be the Council's sixth annual fall promotion for household tex-

tiles, which consume more than 2,300,000 bales annually.

A spring home fashion supplement, distributed to newspapers last February, drew requests from 507 publications for a total of 5,172 glossy photos and mats. Editors in 43 states asked for this material, and their stories appeared in newspapers throughout the country.

## Gin at Vincent Has Meeting

Members of the Vincent (Texas) Co-operative Gin have elected R. T. Shafer, president for the coming season. Other officers and directors will include Vernon Wolf, vice-president; James C. Barr, secretary; Willis Winters and B. O. Brown. Manager of the gin is Frank Whitaker.



"That's mighty fine cotton—  
glad they wrapped it with  
**HINDOO** ...  
it pays!"

Bob Taylor Agricultural Photo.

## Your Best Buy in Bagging

# is HINDOO

2 lb.—21 lb. tare

## LUDLOW MFG. & SALES CO.

Atlanta, Ga. • Stockton, Calif. • Los Angeles 58, Calif. • Memphis, Tenn.  
Galveston, Tex. • Gulfport, Miss. • Indianola, Miss. • Needham Heights, Mass.

## New Product

### BLAW-KNOX PROCESS INCREASES PROTEIN SOLUBILITY

An exceptionally high percentage of soluble protein is now obtainable from oilbearing seeds through a process recently developed by Blaw-Knox Co., Chemical Plants Division, Pittsburgh.

Conventional processing of soybeans denatures the protein in the meal so that only 35 percent of the protein remains water-soluble. While this is generally acceptable for animal feeds, the rich potential of the soybean for high grade by-products is lost. The new process leaves essentially all the protein available in soluble form, yielding a product of 80 to 85 percent protein solubility.

Thus the processor of seed oil and meal will be able to furnish adhesive manufacturers with higher quality protein material, and bakers and food processors with a valuable enrichment additive, Blaw-Knox points out.

Essentially, the new development is a refinement of the company's vapor desolventizing-deodorizing process for treating the oil-extracted flakes. Both steps are carried out at low temperatures which do not "cook" the protein content to insolubility. The Blaw-Knox low temperature vapor desolventizer is well established in the industry. To assure low temperature processing, the deodorizer has been redesigned for sub-atmospheric pressure operation and has been fitted with special Blaw-Knox pressure locks to allow continuous operation.

The first application of the process, a soybean plant in Japan, produces seed flakes having a soluble protein content of 86 percent, a performance that contributes to the alleviation of that country's critical food supply. This extra nutritive value is extremely important because the protein is extracted for use in taffy, a custard-like material considered a necessary part of the daily diet.

## Monroe May Featured

Monroe May, manager of Paymaster Feed Mill in Dallas, was the subject of a feature article in the June-July issue of The Paymaster, employee publication. A former County Agent, he joined Southland Cotton Oil Co. at Waxahachie in 1947 and became manager of the Dallas plant, now Paymaster Mill, in 1950.

He and Mrs. May are active in many school and civic programs in Dallas and Monroe is a past president of Dallas Agricultural Club and Texas Feed Manufacturers' Association.

## Olton Co-op Gin Elects

O. E. Patterson will serve the Olton Cooperative Gin, near Plainview, Texas, as president during the next season. Other newly elected officers and directors are Raymond Lewis, vice-president; M. E. Lambright, secretary; T. J. Roberson, Owen Jones, A. J. Spain and B. O. Cooner. Manager is Loyd Graham.

■ HELENE LOGAN, Dallas, is a fishing champion, just like her Dad, BILL LOGAN of Lacy-Logan Co. She won a trophy for catching the most ling (a rough, tough fish) at the recent Deep Sea Round-Up at Port Aransas, Texas.

THE COTTON GIN AND OIL MILL PRESS  
JULY 25, 1959

as viewed from

## The PRESS Box

### • Too Good To Be True?

COTTON PROSPECTS throughout July were so good in most parts of the Belt as to make observers afraid they couldn't be true. Crop condition comments were filled with such phrases as "excellent" "very good" "heavy fruiting" and other indications for high yields. Only a few areas complained of drouth, insects or other unfavorable factors.

### • Move Cautiously

MOVING a customer's trailer or car, even with his permission, could bring insurance problems. A warning from Midsouth Soybean and Grain Shippers' Association should be heeded by gins and oil mills. The Association says: "If you move a customer's truck, wagon or car, whether you are given permission by the owner or not, and the vehicle is damaged, your insurance might not cover these damages." Firms are advised to discuss this with their insurance agents, as each case must be decided on its own merits.

### • Allotment Hearings

HEARINGS BEGAN July 22 before the House Agriculture Committee on HR 7740, governing transfer of cotton acreage allotments. Many cotton industry groups have endorsed this bill, and

their representatives appeared at the hearings. As reported previously in The Press, this bill was developed through Beltwide discussion and is believed to be the best that can be passed this year. Some groups, chiefly in the Far West, do not agree with its provisions and some organizations, e.g. the Cotton Council and American Farm Bureau, have divided views among their members and cannot act.

### • Meetings on Textile Imports

MEETINGS to discuss the problem of excessive textile imports are being held in the Cotton Belt. Representatives of American Cotton Manufacturers' Association, National Cotton Council and Southern Garment Manufacturers' Association are among those participating. ACMI vice-president Robert C. Jackson, Washington, will be in Dallas July 28 to review the situation.

### • Supima Suffers Blow

U. S. LONG STAPLE COTTON producers suffered a severe blow when their plea for reduction in long staple import quotas was rejected. By a three-to-two vote, the Tariff Commission ruled against the domestic growers. This may be a serious handicap to the sound program of fiber improvement, realistic pricing and effective promotion

carried on by the Supima Association, but which has been badly hurt by dumping of foreign long staple cotton at cutrate prices.

### • Fiber Changed in Picking

COTTON QUALITY can be upgraded by applying colloidal silica in water on picker spindles. Monsanto Chemical Co. says the application does not influence ginning but improves yarn strength and otherwise aids spinnability.

### • 200,000 Crickets

CRICKETS — 200,000 of them—don't bother G. C. Lancaster, Kinston, N.C. In fact, the crickets provide him with a full time job and make him an important customer for his local feed mill. The crickets consume 100 pounds of layer mash daily. Lancaster sells crickets to fishermen throughout the country. The retail price is about \$2 per 100.

### • Big Cotton Counties

BIG "COTTON" COUNTIES in California, which produce more lint than many states in the Southeast, have increased their acreage this season and can be expected to have large crops. The following table shows 1959 planted acreage in these counties, 1958 harvested acreage and 1958 bales produced:

County	1959 Acres	1958 Acres Harvested	1958 Bales
Fresno	226,000	181,000	433,800
Kern	220,000	183,600	433,700
Kings	114,500	90,300	172,500
Madera	52,300	40,200	73,000
Merced	33,500	27,000	49,500
Tulare	174,000	142,600	271,500
Imperial	56,600	46,700	123,500
Riverside	22,200	19,900	45,150



All Steel Construction, 20 x 24,  
77 ton Cottonseed Capacity.

## The New WONDER STATE ELEVATED SEED HOUSE

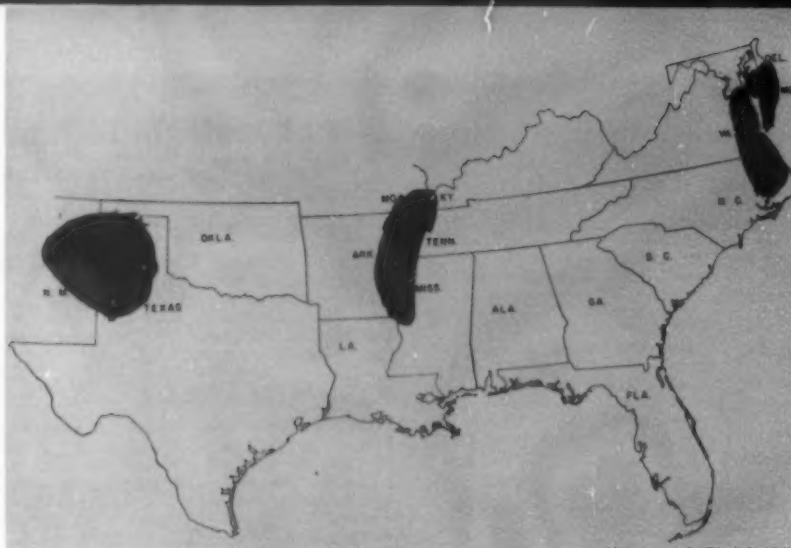
Positive Action Hopper Door is hand-chain driven with rack and pinion gear. Each door is constructed from 1/2" steel plate, lubricated by 4 grease fittings to insure ease of action. Opening size—42 x 32 inches in each hopper.

Access Door and Catwalk for safety and convenience. Door is all steel, flush mounted, steel framed, industrial type. The catwalk has a perforated safety grip-strut surface.

Accessories for Seed House. A custom seed hopper can be located on seed house at customer's option—mounted directly into the seed house structure, no separate stand needed. Shed for trailer storage also available at extra cost. Pre-drilled holes allow the addition of this accessory at any time by simple bolting procedure.

Estimates Furnished Promptly

**WONDER STATE MANUFACTURING CO.** Paragould, Ark.



AREAS which may increase soybean production as the result of a new variety include those on this map of areas to which the variety is best adapted. In the article, Dr. E. E. Hartwig of USDA describes the new Hill soybean, which will be available for farmers to plant in 1961.

## • New Soybean Adapted To Southern Areas

HILL is a new high-yielding, shatter-resistant, and disease-resistant soybean variety slightly earlier in maturity than Dorman. Seed is being increased in Delaware, Maryland, Virginia, North Carolina, Missouri, Arkansas, Mississippi, Texas, and New Mexico. It will be available for seed producers in 1960 and should be generally available for plant-

By Dr. E. E. HARTWIG  
USDA  
Stoneville, Miss.

ing in 1961. The areas of best adaptation are shown on the map.

In much of the South where Hill is adapted, it probably will be grown as an early variety along with Hood or Lee to give an extended harvest period. Also, it probably will replace a fairly

large percentage of the later maturing varieties grown in Delaware and on the Eastern Shore of Maryland.

Hill closely resembles the Lee variety, but it is 21 to 28 days earlier in maturity. It has tawny pubescence and a light pod wall as does Lee and has a similar plant type. It is also comparable with Lee in shatter resistance and in resistance to the major foliar diseases: bacterial pustule, wildfire, and frogeye. In addition to being earlier, Hill differs from Lee in that it has white flowers and the seed has a light brown hilum. The seed is slightly smaller than that of Lee.

On the basis of all comparisons, Hill averages two days earlier than Dorman. However, in the more Northern areas where Dorman is grown, it has averaged a week earlier than Dorman. Hill is superior to Dorman in resistance to the major leaf diseases and to lodging. In plantings in the Western area over the past four years, it has averaged six percent higher in yield than Dorman. During the same period, it has averaged eight percent higher in yield than Dorman in the Delta area. Seed yield and chemical composition for Hill and Dorman are reported in Table 1. Hill has been free from any evidence of purple seed stain development under conditions where some varieties of comparable maturity have had over 50 percent of their seed stained purple. It apparently has a high degree of resistance to the common root knot nematode and has field resistance to Phytophthora rot.

Hill was developed and tested by research workers of the U.S. Regional Soybean Laboratory and cooperating

**Titan 55**  
... something completely new in cotton baling, saves labor and cost

It's so easy,  
just lock  
by hand.

TITAN-GES. M.B.H. SCHWELM/WESTE  
(WEST GERMANY)

Distributed by VAN WATERS & ROGERS, INC. SAN FRANCISCO LOS ANGELES DALLAS



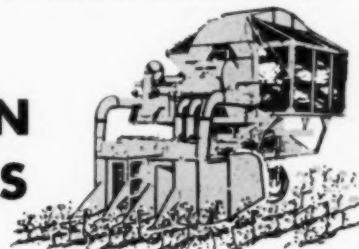
"TYPE N"

liquid wetting agent

This is the new and improved "Type N" MOYST® liquid wetting agent. It is low-foaming, practically colorless, and thin enough to pour and dissolve readily. "Type N" MOYST® is a non-ionic compound and is only slightly affected by the pH and mineral content of the water used.

Best for

**COTTON  
PICKERS**



Ginners claim, "Cotton picked with MOYST on the spindles, gins like hand-picked." With only 1 pint of MOYST in 50 gallons of water, the machine picks cleaner . . . uses less water. MOYST keeps spindles clean . . . will not gum or corrode.



Write, Wire or Phone Today

**SAMUEL JACKSON MFG. CO.**

P. O. BOX 5007

LUBBOCK, TEXAS

Porter 2-2894



Experiment Stations in the Southern States. The name Hill follows in a series of naming soybean varieties developed in the Southern regional research program after Confederate generals. Others in this series are Lee, Jackson, and Hood.

Table 1.—Comparative Seed Yield and Chemical Composition of Hill and Dorman for the Years 1955-1958.

Variety	Seed Yield in Bushels Per/A			Protein Percent	Oil Percent
	East Coast	Delta	West		
Hill	34.8	33.4	25.6	39.4	21.2
Dorman	34.9	31.0	24.2	39.0	21.3

This strain has been tested at approximately 30 locations in the Southern States in each of the past four years. It is a selection from a cross between two experimental lines, D632-15 and D49-2525, made in 1949 by Dr. Edgar E. Hartwig, working at the Delta Branch of the Mississippi Experiment Station. D632-15 was a selection from the cross Haberlandt x Dunfield made by J. A. Rigney in North Carolina in 1941. Third generation selections from the cross were sent to Stoneville, Miss., and reselected. The selection D632-15 was extensively tested but did not perform well enough to merit release as a variety. D49-2525 is a selection from the cross S-100 x CNS made by Dr. Hartwig while working at the North Carolina Experiment Station. D49-2525 is closely related to the Lee variety and is similar in appearance and nearly comparable in performance. In this second cycle cross it was possible to get combinations of desired characters not present in either of the first cycle crosses.

Hill is an advanced F<sub>2</sub> line. It was thoroughly tested in plantings at the Delta Station before being advanced to the regional tests. Seemingly the qualities possessed by this variety will permit soybean growers in the area where it is adapted to increase the percentage of their crop planted to an earlier maturing variety without appreciably reducing their production.

## Cargill Buys Sioux City, Iowa, Processing Firm

Fred M. Seed, vice-president of the vegetable oil division of Cargill, Inc., Minneapolis, Minn., has announced the purchase by Cargill of Sioux Industries, Inc., soybean processing and feed manufacturing firm, headquartered at Sioux City, Iowa, effective July 1.

Properties acquired include the Sioux Soya plant, Sioux Feed Mills and 300,000-bushel-capacity elevator "B" at Sioux City, and Western Feed Mills, Sioux Falls, S.D.

Cargill plans immediate construction of a 1,100,000-bushel storage elevator adjacent to the soybean plant, Seed said, and will add a 1,500-bushel-per-hour drier, combination hydraulic truck dump and scale, and conveying equipment between the elevator and plant. "We expect to have all facilities completed in time to accept this year's crop," he added.

Cargill also plans to enlarge the plant's processing capacity—now approximately 250 tons per day—but has yet to establish specifications and a construction timetable, Seed said.

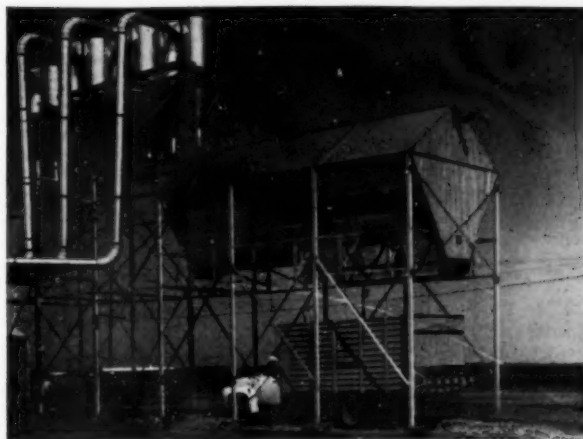


## Luscombe Doing Well

JAMES A. LUSCOMBE is getting along very well at the Veteran's Hospital in McKinney, Texas, and would enjoy visits from his friends, he writes. The engineer in charge of the Southeastern Cotton Ginning Laboratory, Clemson, S.C., was injured two months ago, but hopes to be back on the job this fall, following another operation.

■ PRIMO NOBILI, manager of Producers Cotton Oil Co. Gin at Pleasant Valley, Calif., now also is managing the Huron Gin.

## NOW! A TRU-FAB BURR SPREADER



Mounted on Your Truck Ready to Operate. Five Screw Conveyors Distribute the Burrs Evenly. All Driving Parts Cased Away from Burrs and Trash.

FABRICATORS and ERECTORS of Pre-Fabricated Gin Buildings

Seed Houses • Burr Hoppers • Burr Spreaders

Warehouses • Conveyor Trusses

Towers • Mix Feed Plants • Meal Bins

Serving Gins, Oil Mills and Compresses.

**Tru-Fab Metal Products Co.,** Lubbock, Texas



P. O. Box 404  
Phone PORTer 3-9547

## Clarence Abraham, Founder Of Screw Conveyor, Dies

Clarence F. Abraham, 64, died suddenly July 16 at his home in Beverly Hills, Chicago.

He was one of the founders and directors of Screw Conveyor Corp. of Hammond, Ind.; Winona, Miss. and Santa Clara, Calif., since its inception, also serving as vice-president.

Abraham was born in Genoa, Ill., on May 7, 1895, later moving to Elgin, thence to Morrison, where he was employed by Libby, McNeil and Libby Co. He was a direct descendant of Deacon Thomas Parker who came to this country in 1635, settling in Lynn, Mass., and whose descendants fought in the Revolutionary War.

On coming to Chicago, Abraham be-

came associated with George W. Moore Co. His aptitude for machine designing and other engineering accomplishments led to his becoming assistant plant superintendent. In 1932 he and fellow officers formed the Screw Conveyor Corp.

He was a veteran of World War I, serving in the U.S. Navy, and was a member of the Scottish Rite Bodies of Chicago as well as Medinah Temple. Beechwood Lodge No. 1106 A. F. & A. M., officiated at the services in conjunction with Rev. Clinton C. Cox, Pastor of Drexel Park Presbyterian Church.

He leaves his widow, Esther C. Abraham; two sons, Donald M. and Glenn E.; three brothers, Harold E., Floyd and Raymond; a sister, Mrs. Florence Peters; and two grandsons.

## Mexican Crop Down 600,000 Bales

Mexican Cotton Association estimates the 1959-60 cotton crop at 1,698,500 bales. This decrease from 2,310,000 bales last season is principally due to the planting of 500,000 fewer acres.

## Commission on Farm Policy Proposed

A COMMISSION on Agricultural Policy is proposed by Senator John Stennis of Mississippi. Introducing a bill to set up this commission, Senator Stennis said there is much unjust criticism of farmers and agricultural appropriations.

Much of the money appropriated, he pointed out, is to carry on governmental policies other than operational farm policies. Examples cited by Senator Stennis included the \$1,400,000,000 annually for shipments of food and fiber abroad to strengthen foreign aid, \$266 million for school milk and lunch programs and \$650 million for food inspection, market reports, research, etc.

Granting that the present agricultural program is not perfect, the Mississippian said that policy must keep pace with changing conditions. He has proposed the Agricultural Policy Commission to study present laws and to make a more realistic approach to basic policy.

Senator Stennis said that agricultural policy should meet four major objectives:

1. Protect farm income, with special emphasis on small and family farms.
2. Meet competition of synthetic fibers and foreign grown cotton.
3. Reduce surpluses and keep supply and demand in balance.
4. Minimize federal control and reduce cost of programs.

## Cotton Exchange at Fresno Announces New Members

Fresno (Calif.) Cotton Exchange has three new active members, William (Bill) Clarke, the Exchange secretary, reports.

New members include R. B. Crawford of Fresno, Allen Warehouse Co.; Otto Goedecke of Hallettsville, Texas, Otto Goedecke, Inc., and J. C. Evans, Jr. of Los Angeles, Anderson Clayton & Co.

## Cotton Production Contest In Oklahoma Announced

The Oklahoma Cotton Research Foundation, Inc., sponsors of the boys 4-H and FFA Cotton Production Contest, have sent out the rules, regulations and awards for the 1959 contest.

Awards totaling \$1,200 are presented by the Foundation.

## Mrs. Fox and Daughters Injured

Mrs. Howard Fox, wife of the manager of South Texas Cotton Oil Co. Mill at Hearne, and their daughters, Helen and Susan, were painfully injured recently in an auto accident at Hearne.

## SHEET METAL FABRICATORS

*We Manufacture:*

- High Efficiency Cyclone Dust Collectors.
- All Metal Bootless Type Traveling Telescope.
- All Metal Bootless Type Stationary Telescope.
- Rubber-Lined Elbows.
- Lint Traps for Lint Cleaner Discharges.
- All Steel Customer Seed Bins.
- We specialize in Gin Repair Work.

*Write or Call for Further Information*

## METAL PRODUCTS CO., INC.

LUBBOCK, TEXAS

2910 Ave. "A"

Phone SH 7-2585

## THE *Finest* TELESCOPE EVER BUILT!



### A PROVEN PRODUCT

A double suction shed with two Stacy Traveling Telescopes will keep your gins running at full capacity.

We have all necessary valves and fittings to make a perfect job.

Write for details and prices

**The STACY COMPANY, Inc.**  
2704 TAYLOR ST. DALLAS 26, TEXAS

Runs on track—unloads long trucks or trailers without moving up.

Easy to Operate.

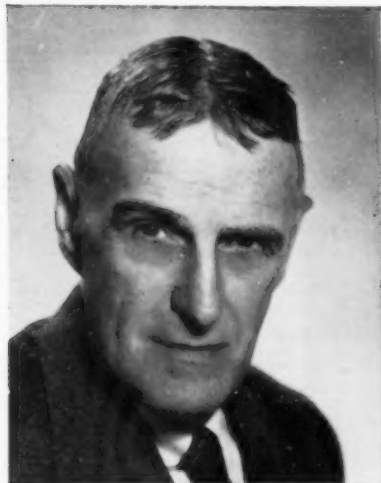
Bronze Oil-Lite Bearings Throughout.

Sturdy Construction

A Real Labor Saver

## • Bennett Has Book On Roller Gin

CHARLES A. BENNETT, longtime USDA leader in cotton ginning research, has written a comprehensive history of the roller gin which is being published by Texas Cotton Ginners' Association as a service to the cotton industry.



CHARLES A. BENNETT

Profusely illustrated with photographs and drawings, the history will serve as an authoritative reference for

many years and is recognized as a long-needed publication.

Bennett, now retired but continuing to serve as a consultant to the Department of Agriculture, lives in California. He is working on a history of the development of the saw type cotton gin to be published later.

The book on roller gins has been prepared for publication by Edward H. Bush, executive vice-president, and Jack Rohr of Texas Cotton Ginners' Association; and is being distributed by that office. USDA also has obtained copies for reference and distribution.

## Workshop on Textiles Held

Texas Woman's University at Denton, was the scene of a textile workshop, July 20-24.

Color and Design in Textiles and Clothing Workshop was directed by Fola Stout, designer-consultant for J. P. Stevens and Co. Sponsored by Dr. Pauline Beery Mack, dean of the College of Household Arts and Sciences, the workshop was under the direction of Dr. Elizabeth Flowers Thomas and Mrs. Edna Prechel Brandau, both of TWU.

Trips to design centers in the Dallas area also were included in the workshop.

## Thrall Co-op Gin Elects

Thrall (Texas) Cooperative Gin Co. has named Albert Freels president for the coming season. Other officers are Otto W. Arning, vice-president; Otto Heckmann, secretary-treasurer; Ed Hiebel, Elmer E. Stauffer, W. T. Priesmeyer and Henry Schwettman, Jr.

## "Use More Cotton" Handkerchiefs

"Use More Cotton" says the woven lettering on handkerchiefs which have been widely used in the Midsouth to promote cotton, and could be used elsewhere. Information regarding these handkerchiefs has been obtained with the help of W. Kemper Bruton, Arkansas-Missouri Cotton Ginners' Association.

Star Clothing House, Jonesboro, Ark., can supply the handkerchiefs, individually packaged in cellophane. The cost is \$5 a dozen in small quantities and \$4.80 a dozen when 60 dozen or more are ordered. The owner, Albert Kopert, explains these handkerchiefs have to be especially manufactured.

About 15 dozen handkerchiefs are available for prompt delivery, but any larger quantity would have to be made to order.

## New TV Film Is Being Prepared by Council

Millicent, a television film featuring back-to-school fashions for grammar school girls has been processed by the National Cotton Council.

Filmed in New York City by the Council's audio-visual section, the nine-minute, black-and-white movie tells the story of eight-year-old Millicent, who dreams she is living the glamorous life of a grown-up.



# BEFORE YOU BUY..



compare

pel rap

YES,  
BEFORE YOU BUY,  
write for samples of the  
**ORIGINAL PELRAP...**  
NEW MATERIAL — Reasonable Price!



Originated by  
**PELICAN  
BAG CO.**  
Crowley, Louisiana







R. M. HUGHES, shown above and below, with Mrs. Durrett L. Williams, secretary of South Carolina Cotton Seed Crushers' Association.

**T**

WELVE TIMES, South Carolina cottonseed processors drafted R. M. Hughes to head their state association.

This is a unique record in the oil mill industry. It is a great tribute to a man whose integrity, sound judgment and devotion to duty have made him one of the best-loved leaders among the nation's cottonseed oil men.

R. M. Hughes is a quiet, modest, thoughtful man. He represented a relatively small business organization in a small town. This fact adds to the tribute which his associates have paid him by calling upon him so many times for guidance and leadership. And, while he no longer is an oil mill manager, the industry continues to look to him for counsel.

• **Made Many Contributions**—Hughes' contributions to the oil mill business have not been limited to South Carolina, where he served as president of South Carolina Cotton Seed Crushers' Association in 1935-36, 1939-40, 1940-41, 1943-44, 1944-45, 1945-46, 1946-47, 1947-48, 1948-49, 1949-50, 1950-51, and 1951-52.

National Cottonseed Products Association elected Hughes president in 1941-42, and he served many times on committees and as a director of this national organization.

Hughes also has been a member, and historian, of The Old Guard, honorary organization of oil mill men.

• **A Leader in His Church**—His church and its institutions have benefited greatly from the conscientious service which he gives to anything in which he believes.

A devout Baptist, Hughes was superintendent of his Sunday School for 16 years. He was a trustee of Furman University for a quarter-century; part of the time chairman of the executive committee.

Long active in the Kiwanis Club, he has been elected to honorary membership.

• **A Lifetime with Cotton**—Born Dec. 31, 1881, near Greer, S.C., R. M. Hughes has spent almost all of his life in the cotton business in that community.

## R. M. HUGHES



His father was in the cotton and fertilizer business, and became associated with the Greer Oil Mill and Feed Co. in 1898.

The younger Hughes worked in a store and a bank until 1923, when he went with the oil mill.

Lura P. Langston and R. M. Hughes were married in July, 1907. They have four children. R. S. Hughes, formerly in the cotton business, is now with an insurance firm. Dr. James L. Hughes is a physician at Greer. R. M., Jr., is a chemist with Springs Mills at Langston, where he is associated with research on the new chemical treatments that are making cotton more useful.

Their only daughter, Lura, is in religious work with the Baptist Church at Nashville, Tenn.

• **"I Owe Them a Heap More"**—Those who have been associated with R. M. Hughes in his community and in the oil mill industry feel that they owe him much for his always-patient help and kind consideration, as well as for his willingness to devote as much time and thought to a problem as was needed.

In keeping with his modesty, however, Hughes feels that the debt is the other way. There is nothing that he values more than his friendships and he told the writer, "I owe them a heap more than they owe me."

But, this is one time Hughes is likely to get an argument from a lot of people who have always respected his views.



## • Arkansas-Missouri Ginners on Tour

COTTON ginners from Arkansas and Missouri visited several textile and fiber processing plants in the Carolinas during a three-day tour last week.

The tour was sponsored by the American Cotton Manufacturers' Institute, in cooperation with the Arkansas-Missouri Cotton Ginners' Association. John T. Wigington, Clemson, director of ACMI's Division of Technical Service, was the tour manager.

The group arrived by plane at Anderson, S.C., shortly after noon, and following a luncheon at the Calhoun Hotel, began their tour at the Lowenstein Cotton and Storage Corp. facilities, where they saw cotton classing, fiber testing and storage facilities.

They also visited the USDA Pilot Spinning Plant and Cotton Standards and Testing Laboratory, both at Clemson.

At an ACMI-sponsored dinner Monday evening, they heard brief talks by Robert C. Edwards, president of Clemson College; Frederick B. Dent of Spartanburg, president of the South Carolina Textile Manufacturers' Association; R. Dave Hall of Belmont, N.C., second vice-president of ACMI, and Tom Murchison of Blytheville, Ark., president of their Association.

Tuesday morning, after an informal program with mill cotton buyers, the group visited the Clemson plant, Utica-Mohawk Group, of J. P. Stevens and Co., Inc. That afternoon, they toured the Gerrish Milliken Plant at Pendleton,

S.C., and the USDA Ginning Research Laboratory at Clemson.

Wednesday's activities included a morning tour of the Slater, S.C., Plant of J. P. Stevens and Co., Inc., where the group inspected the fiber glass products. In the afternoon, they traveled by bus to Asheville, N.C., where they toured the plant of the American Enka Corp., and returned to Clemson that evening.

## Suit Settled Out of Court

Earl J. Cecil and the Bank of America have settled out of court a \$1 million suit brought by Cecil over the sale of stock the bank held as security in a financial transaction. Cecil is general manager of Ranchers Cotton Oil Co., Fresno. He formerly was president of Kingsburg Cotton Oil Co. and the suit involved a transaction in which Kingsburg stock was put up in connection with a loan, according to the Fresno Bee.

## Oil Mill Holds Meeting

The Producers' Cooperative Oil Mill at Oklahoma City held its annual meeting, July 21, at Hobart, Okla., in the Junior High School auditorium.

## Oil Crops Field Day Set

Oil crops will be featured at the July 31 field day at Davis, Calif. Paul F. Knowles is in charge of the program, which will cover safflower, castorbeans, sunflower, flax, sesame and soybeans.



## Provost Recovering

RAY PROVOST, Fresno, Calif., returned recently from the hospital where he had been since a heart attack on May 28 in Sacramento. He is vice-president in charge of grower relations and cotton merchandising for Producers Cotton Oil Co. He reports that he is making good progress.

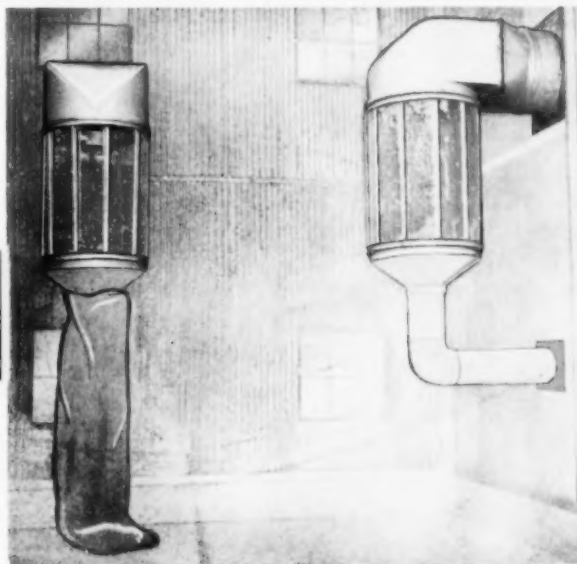
## Cotton Association To Meet

The Oklahoma Cotton Cooperative Association will have its annual meeting July 27, at Quartz Mountain Lodge.

# EFFECTIVE LINT CONTROL

## Lint Catcher for LINT CLEANER CONDENSER DISCHARGE PIPE

With this effective lint control you can sack the lint for easy disposal or you can install it so that a fan can carry it into your disposal area.



- This LINT CATCHER, like other items by Anderson-Bigham, is engineered to fit your problems •

ANDERSON & BIGHAM SHEET METAL WORKS, INC.

GIN, MILL AND ELEVATOR WORK

416-424 AVENUE L

PHONE PD 3-9273

BOX 143B

LUBBOCK, TEXAS

# Classified Advertising

RATES AND CLOSING DATES: Ten cents per word per insertion. Include your firm name and address in making word count. Minimum charge \$2.00. Copy must be in our hands by Thursday morning of week of issue. Please write plainly.

## Oil Mill Equipment for Sale

FOR SALE—Filter presses, screening tanks, expellers, linters wood or steel, single and double box all-steel linter baling presses, Bauer #199 seed cleaners and separating equipment, 42" and 60" rolls, 30" to 48" bar and disc hullers, 72" and 85" stack cookers, various size filter presses, boilers, Route blowers, hydraulic press room equipment, hull beaters, attrition mills.—V. A. Lessor & Co., P. O. Box 108, Fort Worth, Texas.

OIL MILL EQUIPMENT FOR SALE — Rebuilt twin motor Anderson high speed expellers, French screw presses, stack coolers, meal coolers, fourteen inch conditioners, filter presses, oil screening tanks, complete modern preprocessing or single press expeller mills.—Pittcock & Associates, Glen Riddle, Pennsylvania.

## MODERN FRENCH FOUR-SECTION PRESSES

\$7,000.00 each

**PITTOCK**  
Glen Riddle, Pa.

INSPECTIONS and appraisal. Dismantle and installation.—Oscar V. Shultz, Industrial Engineering, Phone Butler 9-2172, P. O. Box 357, Grapevine, Texas.

FOR SALE—Two French 4-cage screw presses 9" extension, 75 HP motors, French screening tank, French 72" cooker, French drive, French 60" ball and roller-bearing rolls, French 60" plain-bearing rolls, Carver 141-saw linters, Bauer 199 seed cleaners, Bauer 198 hull beater, Butters 141-saw machines, 36" Chandler huller, Carver 48" bar huller, 36" attrition mills, Two single-box, up-packing, all-steel linter presses, Electric motors, starting boxes and switches, Steel sand and bar reel, Sproles and Cook Machinery Co., Inc., 159 Howell St., Dallas, Texas Telephone RI 7-5958.

## Gin Equipment for Sale

FOR SALE—One complete modern gin, with steel building, to be moved, price reasonable. Also several extra pieces of modern machinery such as droppers, condensers, packers, presses, and cleaner feeders. Contact Jim Hall, P. O. Box 751, or telephone Riverside 1-1393, Dallas, Texas.

FOR SALE—Priced for quick sale, Continental DFB linter cleaner complete, less motors. Excellent condition. P.O. Box 621, West Memphis Arkansas.

## FOR SALE

Have made special purchase on several Lummus Type B combers complete. Will be reconditioned, repainted like new, and will be in excellent mechanical and operating condition.

## BILL SMITH

Phones OR 4-9626 and OR 4-7847  
Box 694 Abilene, Texas

COTTON GINS for sale—4-80 Hardwicke-Etter, electric, steel machinery, big irrigation, \$40,000, half cash, 4-90 Continental, electrical, steel machinery, irrigation, \$60,000, half cash, 5-80 Murray, electric, steel, irrigation, \$85,000, \$12,500 cash, 5-80 Continental, electric, steel, irrigation, \$125,000, \$25,000 cash, 4-90 Murray, electric, steel, irrigation, \$150,000, one-third cash, 5-90 Murray, steel, electric, irrigation, \$225,000, half cash, 5-80 Lummus, gas engine, steel, big barracks, \$170,000, half cash, W. T. Raybon, Box 41, Lubbock, Texas, Phone Porter 2-1605.

COMPLETE GIN for sale—3-70 Hardwicke-Etter, 20-shaft tower drier, 7-cylinder cleaner, one 40-h.p. and one 75-h.p. electric motor. This machinery has gained less than 5,000 bales. Will sell drying equipment separate from other machinery.—G. T. Ballard, RFD 2, Tupelo, Mississippi.

FOR SALE—5-80 Lummus glass front gin stands with Super Mitchell feeders. Complete with lint flue, condenser, line shaft and floor stands, and seed and dirt conveyor, \$5,000.—Douglas Smith, Abilene, Texas, Phone HOuston 7-8172.

FOR SALE—Continental D.F.B. linter cleaner complete with motors and sheet metal piping. Excellent condition.—Maricopa Growers Gin, Maricopa, Arizona. Phone: LÖgan 8-2382.

## Used Equipment For Sale

14' Murray Bur Machines, each	3,000
18" Murray Hull Vacuum	150
72" Continental Separator	650
Horizontal Murray Press Pump	850
Vertical Continental Press Pump	850
80-Saw Murray Mote Suction	
Gin Stands, each	900
25" Murray Fan	150
30" Continental Double Fan	275
40" Continental Fan	290
40" Claridge Fan	225
Continental Ram & Casing	850
1—Stevens-Adamson 24" Box Car Loader, complete with 3 h.p., Single Phase Motor, mounted on wheels, as is	750
1—Link Belt Automatic Power Shovel, Single Unit, complete with Swivel Sheaves and less Electric Motor	300

NEW EQUIPMENT: 1 Atteberry No. 1, Standard Cottonseed Sterilizer with natural gas burner, complete with Feeder Hopper.

## Power Units—Electric Motors

1½ h.p., 3 ph., 1750 RPM	20
¾ h.p., 3 ph.	30
1 h.p., 3 ph., 1720 RPM	45
3 h.p. Single Phase	120
5 h.p., 3 ph., 1725 RPM	95
10 h.p., 3 ph., 190 RPM	300

## Engines

Le Roi D-1000, 100 h.p.	650
GMC 671, 130 h.p. Diesel	1,750

## Wonder State Mfg. Co.

PARAGOULD, ARK.

FOR SALE—Four Continental individual-type linter cleaners with valves. In good condition.—Bargain — P. O. Box 621, West Memphis, Arkansas.

FOR SALE—5 Murray "Combing" linter cleaners with valves.—Sebastian Cotton & Grain Company, Sebastian, Texas.

FOR SALE—Converted 4-90 Hardwicke-Etter gin stands. They are hot roll boxes with extra saw chambers. Reasonable.—Lamesa Coop Gins, Phone: 3090, Lamesa, Texas.

FOR SALE—5-66" Thermex feeders with hot air manifold. Equipment in excellent condition. Lockney Gin Co., Lockney, Texas. Lester Carter, mgr., Phone OL 4-3388.

FOR SALE—2M BTU gas drier.—James Bowlin, Phone 4931, La Feria, Texas.

SPECIAL BARGAINS—Steel cleaners: One 50" Impact, 6-cylinder 72" blow in and two 4-cylinder 50" incline Continentals, one 5-cylinder 50" Hardwicke-Etter blow in, 6- and 12-cylinder Stacy cleaner-drier, 4-cylinder 96" Lummus, three Thermos and 6-cylinder Cen-Tennial airline. Steel bur machines: 14' Hardwicke-Etter right-hand with 5- and 7-cylinder type 1 cleaners, 14' Murray left-hand, 14' and 10' Lummus center feed, Murray unit type linter cleaners, Mitchell 60" Supers and Super Jems, Hardwicke-Etter, Continental and Murray press pumps, several 9" screw elevators. Three bucket elevators. New tower driers in all sizes. One 1½-million Murray heater. Electric motors from 10 to 100 h.p. New and used fans, belting, conveyor trough and a general line of transmission equipment. For your largest, oldest and most reliable source of used and reconditioned gin machinery, contact us. Call us regarding any machinery or complete gin plants which you have for sale or trade.—R. B. Strickland & Co., 13-A Hackberry St., Phone: Day or Night PL-2-8141, Waco, Texas.

FOR SALE—Gin in excellent condition and in good cotton county, ready to go.—Box 5, The Cotton Gin and Oil Mill Press, P. O. Box 7985, Dallas 26, Texas.

FOR SALE—3-66" Mitchell Super Units in excellent condition, and one Hardwicke-Etter medium stroke trampler complete.—Box ZF, The Cotton Gin and Oil Mill Press, P. O. Box 7985, Dallas 26, Texas.

FOR SALE Press: Murray, steel bound, A-1. Trampers: One EJ, 2 Murray, 1 Cameron. Lint cleaners: 4-500 Continental with new saws, 4 Hardwicke-Etters, 6 Lummus Jets, 4 ABC Murrys, Condensers: 1-72" Lummus, side draft, \$750, 1-60" Lummus, down draft, \$350, 1-48" Continental, #40, side draft, \$450, 1-60" Continental, #40, side draft, \$550. Cleaners: 7-cylinder 52" Stacy incline, one 4-cylinder Stacy airline, 1-72" Murray 6-cylinder incline, 1-98" 6-cylinder Lummus, A-1, one 6-cylinder 52" Continental, one 4-cylinder Stacy, Separators: 72" Murray, \$850; 1-52" Murray, \$650; 2-52" Continentals, \$450 each. Vacuum: 1-52" Murray, 2-72" Lummus, 1-72" Lummus blow box, one 12" x 12" Murray, Fans: 30" through 50" Continental, Hardwicke-Etter and Murray. One set seed scales on frame stand, A-1, seed pumps. One 1M heater, Hardwicke-Etter, \$350. One 2½M Hardwicke-Etter heater, \$550. One 4-stand lint flue. One 4-stand Hardwicke-Etter distributor with change valves, return and overflow bin. One set 11" traveling suction (2), \$250, 3-11" ball joint suction, A-1, \$100 each.—H. & S. Supply Gin Machinery, Phone 805 or 1253, 610 W. Delano, Littlefield, Texas.

FOR SALE—3 electric motors, 100 h.p., 25 h.p., 20 h.p. with starting equipment. One Continental 5-80 single drum steel condenser, one Continental 30" fan, one Continental vertical hydraulic press pump, one Continental seed scales, one Continental ram and casing, one Mitchell steel conveyor box with 14" auger 100".—Byron Dawson, P. O. Box 557, Clinton, Oklahoma. Phone 1308.

## FOR SALE

GINS—5-90 Lummus Multi Jets; 1-90 Hardwicke-Etter, 2 yrs. old; 5-80 Continental Model C brush; 5-80 Continental Model C ABs; 12-80 Murray glass fronts; 10-80 Centennial glass fronts, loose rolls; 4-80 Centennial Commanders with loose roll; 4-80 Lummus automatic all-steel; 10-90 Gulleths; 6-80 Hardwicke-Etter; 4-70 Continental F3 brush.

HULLER CLEANER FEEDERS—5-66" V-drive Super Mitchells; 5-80 V-drive 60" Super Mitchells; 5-80 Continental 4X; 5-80 Continental Master Double X; 5-80 Hardwicke-Etter with 4-cylinder after cleaner; 4-60" Continental Master Double X.

DRIERS—1 Continental 4-trough; 1 Continental 2-trough; 2 Murray Big Reels; 1 Mitchell Jembo, 6 cylinder, 66" wide; 2 Lummus Thermos; new tower driers at list price.

BURNERS—2M Lummus.

LINT CLEANERS—1 Super Moss-Gordin complete, with 12" wrapped saws, reconditioned and painted; 5-80 Murray, 1951 Model saw type complete with lint flue; 5-80 Murray ABC Jets complete with lint flue; 3 Model B Lummus combers complete.

CONVEYOR DISTRIBUTORS — 5-80 Hardwicke-Etter with return conveyor; 4-80 Lummus; 5-80 Murray.

PRESSES — 1 Lummus long box, all-steel, downpacking; 1 Murray all-steel downpacking; 1 Murray PX with steel platform.

TRAMPERS—2 Murrys; 1 Hardwicke-Etter; 1 Lummus.

PUMPS—1 Murray automatic; 1 Lummus; 1 Cen-Tennial; 1 Beaumier.

CONDENSERS—1 Hardwicke-Etter, 72"; 1 Hardwicke-Etter 60"; 1 Continental, 72".

CLEANERS—2 Lummus 96" 6-cylinder V-drive inclined with reclining cylinder and grid bars; 1 Gullett 50" inclined 6-cylinder blow-in type; 1 Murray horizontal 6-cylinder; 1 Lummus 52" horizontal 6-cylinder; 1 Lummus horizontal 96" 6-cylinder; 1 Mitchell Jembo 6-cylinder, 66" wide; 1 Continental 4-cylinder inclined; 1 Continental 6-cylinder airline; 1 Hardwicke-Etter 6-cylinder airline.

BUR MACHINES—1-10" steel Lummus with built-in 5-cylinder aftercleaner; 1-10" steel Hardwicke-Etter; 2-10" steel Wichitas with two 3-cylinder aftercleaners; 1-14" steel Stacy; 1 Mitchell Jembo.

SEPARATORS—2 Continental 52"; 1 Lummus 52"; 2 Gullett 52"; 1 Stacy 52"; 1 Murray 52".

FANS—From 20" to 50" diameters.

ELECTRIC MOTORS—From 3½ h.p. to 150 h.p. MISCELLANEOUS ITEMS — 1 Continental right angle drive; 2 Continental automatic, even feed controls with overflow conveyors; 2 sets Fairbanks-Morse seed scales; 1 set Continental; 1-22" rotor lift; 1-14" rotor lift; several 52" vacuum blow boxes; pulleys from 4" to 72" in diameter; floor stands, etc.

## BILL SMITH

Phones OR 4-9626 and OR 4-7847  
Box 694 Abilene, Texas

FOR SALE—Solid leather belt 150' long, 24" wide, 5-ply. Good condition. Carver saw filer and gummer for 106 saws, good condition. Will sell each at fraction of real value. Also, many valuable tools. —Jack Howell, Bryan, Texas.

FOR SALE — Continental cleaner, one 16-shelf Hardwicke-Etter tower drier, one Hardwicke-Etter 2M BTU heater. Priced at \$800.—W. H. Ritchey, Bonham, Texas. Phone JU 3-2278.

## FOR SALE

### Rebuilt and Painted Gin Machinery

PRESSES: 1 Right-hand up-packing Centennial all-steel.

GINS: 4-80 saw late model Murray with glass fronts, 6" mote conveyor, new gin ribs and new huller ribs; 4-80 saw double moting automatic Lummas; complete 4-80 saw all-steel Murray with all-steel Murray building, to be moved.

FEEDERS: 4-60" Super Mitchell with steel brushes and hardened saws; 4-67" Continental Master XX; 4-66" large Hardwicke-Etter with 4-cylinder after-cleaners.

SEED SCALES: 1 Hardwicke-Etter.

CLEANERS: 2-10' 6-cylinder Continentals; one 6-cylinder Mitchell Jembo.

CONDENSERS: 1-72" Continental.

DRIERS: 1 No. 18 Murray Big Reel.

Incidentals: Saw cylinders for 80-saw Continental and Murray; one extra good Continental ram and casing with new bypass head; gratefalls for 90- and 80-saw Continentals gins; 14 feet of Continental return conveyor trough for 14" conveyor.

### Kimbell Used Gin Machinery Co.

Box 456, Phone 3372 or 3351  
Earth, Texas

FOR SALE—Modern gin, ready to run, with two small elevators. In good cotton and grain area. Big milo crop made and gin run looks like 5,000 bales. Will finance or take good farm land in trade. —Orb Coffman, Goree, Knox County, Texas. Phone HE 6-2551.

FOR SALE—One 18-shelf tower drier, made of heavy steel, ginned less than 25 bales; one Continental separator; one 35" Claridge fan, like new; one 2M BTU gas burner, John E. Mitchell. Phone, write or see J. F. McLaurin, Bennettsville, S.C. Phones 774 and 967.

## Personnel Ads

WANTED—Man experienced in repairing gin machinery, also spray painting. With references. Sober and reliable. —Box 38, The Cotton Gin and Oil Mill Press, P. O. Box 7985, Dallas 26, Texas.

WANTED—Salesman, experienced in selling gin machinery. Sober, reliable, references. 50 years of age or older man that knows gin business would be considered. —Box FW, The Cotton Gin and Oil Mill Press, P. O. Box 7985, Dallas 26, Texas.

WANTED—Ginner for the 1959 season. Must be sober. Write or call A. B. Schmidt, Manager, Farmers Gin Company, Phone 87, Needville, Texas.

WANTED—Superintendent for delta solvent extraction plant handling cottonseed and soybeans. Give experience and qualifications. Our people know of this ad. Applications confidential.—Box 75, The Cotton Gin and Oil Mill Press, P. O. Box 7985, Dallas 26, Texas.

## Power Units and Miscellaneous

FOR THE LARGEST STOCK of good, clean used gas or diesel engines in Texas, always see Stewart & Stevenson Services first. Contact your nearest branch.

FOR SALE—One Le Roi L3000-RXISV 12-cylinder 300-350 h.p. Cotton gin equipped, guaranteed in operating condition. Priced low to move. One General Motors diesel twin-6-cylinder, cotton gin equipped, guaranteed in operating condition—300 h.p. @ 1800 RPM. Priced low to move. One Minneapolis-Moline Twin 6 Model 1210-12A, cotton gin equipped, guaranteed in operating condition—200 h.p. Priced low to move.—W. M. Smith Electric Company, Hamilton 8-4606, 3200 Grand Avenue, Dallas Texas.

SEE US for parts for all models Minneapolis-Moline engines and Seal-Skin Belt Dressing.—Fort Worth Machinery Company, (Rear) 913 East Berry Street, P. O. Box 1575, Fort Worth, Texas.

SALES—Service—Repair—Installation—All makes of scales. Used scales taken on consignment. Large stock of used motor truck and railroad track scales. Industrial Scale and Equipment Co., Phone OR 4-2588, 7014 Force St., Houston, Texas.

FOR SALE—(1) 150 HP New GE Slipring Motor, 3/60/440/720 RPM, Type M. Ball Bearing, Open Dripproof, \$3,875.00 Net.  
(2) 200 HP New Master, Slipring Motor, 3/60/440/900 RPM, Ball Bearing, Open Dripproof, \$5,130.00. — W. M. SMITH ELECTRIC CO., 3200 Grand Ave., Dallas, Texas.

SCALES FOR SALE—Several used truck and cattle scales, 16', 22' and 34'. Guaranteed service anywhere, anytime.—Lewis Scale Service, Clarence E. Lewis, 1609 42nd St., Lubbock, Texas. Phones: SHERWOOD 4-7489, SHERWOOD 4-8760.

WHY don't you let me manage your financing, ginning and cotton operations anywhere in the world.—Box 68, The Cotton Gin and Oil Mill Press, P. O. Box 7985, Dallas 26, Texas.

HART COTTON MOISTURE METERS may be ordered through Leo Gerdes, Box 373, Leland, Miss.; Gordon Equipment Co., Fresno, Calif.; The Murray Co. of Texas, Inc., Fresno, Calif.; Moss-Gordin Lint Cleaner Co., Lubbock or Dallas, Texas; Stoneville Pedigreed Seed Co., Stoneville, Miss.; or directly from Hart Moisture Meters, 336 W. 14th Blvd., Babylon, Long Island, N.Y. Prices: FOB Babylon, Type R-41, \$196; Type CU2, \$280; Type K101, \$360; plus Trailer Probe, \$30; Cottonseed Cup, \$20.

FOR SALE—One L3000, 300 h.p. Le Roi engine, good condition. For information, contact J. E. Jones Gin Company, Steele, Missouri. Phone 108.

## New Synthetic Plant

More synthetic fiber for wash-and-wear garments will be produced at a new Fiber Industries, Inc., plant at Shelby, N.C. Teron, similar to Dacron, will be made at the plant which will be able to produce 40 million pounds yearly. Owned jointly by Celanese Corp. of America and Imperial Industries of Great Britain and licensed by DuPont, the operation will be in production by mid-1960.

## Abernathy Gin Elects

Abernathy (Texas) Cooperative Gin has elected its new officers and directors for the coming season, including Lee Roy Waters, president; Hugh Pettit, vice-president; Billie Harrison, secretary; Clayton Enger, Harvey Lutrick, J. D. Webb and R. A. DuBose. Manager is G. L. Phillips.

## Crushers Move Office

Offices of Southeastern Cottonseed Crushers' Association are being moved from Grand Theatre Building in Atlanta. C. M. Scales, secretary, has announced that the new address is P.O. Box 1145, North Decatur, Ga.

## Head of Frito Co. Dies

C. E. Doolin, who developed the Frito Co. into a leading food processing firm and user of vegetable oils, died in Dallas July 22. Survivors include his wife; sons, Charles Wesley, Earl Leslie, Patrick Daniel, Ronald F., Doolin; daughters, Kaleta Ann and Willa Dean Doolin; brother, Earl B. Doolin; granddaughter, Diane Dean Doolin.

■ JUDY HALL, daughter of the George Halls of El Paso (where her father is Western District Manager for Western Cottonoil Co.) was named Sweetheart of Austin High School's Junior Prom in El Paso.

## Man vs Everbody

### B. Ain't Got Right To Whup His Wife No More

CHITLING SWITCH, ARK.

DERE MR. EDITOR:

I don't know whether you ever half no spats with yore Mrs. or not but I do. It is all over nothing because now you take the other day she said she wanted to buy something or other and I said we cant do it because I jest looked at the bank statement and we are up vs it and she said we are what and I said up vs it and she said I dont know what you mean. I said you must be dumb you know what it means in the paper when they say that they is going to be a ball game and it will be Newport vs Batesville and she said yes but you are using the latin word versus in the wrong way and I said why and she said it means against in the sense of competition and I said I dont know what is the right way or the wrong way but we are up against it for money right now and that is all they is to it and she said maybe if you would pay some of these here creditors which is Legion we would know where we stand. And I said well I know enough of about how I stand to know that we dont owe nobody by the name of Legion and she got up and left the room after giving me a look I did not like. Well Mr. Editor sometimes I kind of git my dander up and I follered her out and I said looky here what are you always crabbing about what I say and we went at it.

I think that ever man has got a right to whup his wife but they half got so that they throw things at a man like pans and skilletts and you cant git the best of them unless you slip up behind them with a stilson wrench and lay them cold but nowadays folks seem to think that a man aint got no right to whup his wife no more and us men are up vs everbody.

YOUR'N,

B. Ubberson

For  
Greater  
Profits

...install

KELLY DUPLEX

FEED MILL  
EQUIPMENT

Write today for our complete line catalog—and for full details on our free planning and layout service.

The Duplex Mill & Manufacturing Co.  
Dept. CG, Springfield, Ohio



*A Great Cotton*

# PLAINS

High Yields—Ease of Picking—  
Resistance to Wilt—Earliness—  
Good Fibre Quality—Adaptable to  
Varied Climatic Conditions.

*Another Great Cotton*

# AUBURN 56

Wilt Resistant—High Profits per  
Acre—Good Fibre Quality—  
Earliness. Ideal for Mechanical  
Picker.

## ELLIS BROTHERS

CENTRE, ALABAMA

Growers of Registered and  
Certified Seed.

### Papoose Stick Machine, Feeder Attachment

U.S.D.A.-designed, Hinck-  
ley built. Inexpensive and  
efficient removal of sticks,  
green leaf, motes and pin  
trash. Can be added to  
many gins.

### HINCKLEY GIN SUPPLY CO.

4008 Commerce  
DALLAS 26, TEXAS



### Arranges Mill Tour

OSCAR C. CARR, JR., Clarksdale, is chairman of the Delta Council Ginning Improvement Committee which arranged the mill tour starting July 26 from Greenwood, Miss. County Agents, ginners and farmers are making the tour, sponsored by the Council, Mississippi Extension Service and American Cotton Manufacturers' Institute. Visits are being made to Avondale Mills, Sylacauga, Ala., and the Chemstrand Co. of Decatur, Ala. The tour is part of an over-all program to preserve and improve Delta cotton quality. "County agents are in closer contact with farmers and ginners on a day-to-day basis than any other person or agency," Carr said. "The mill tour will provide the opportunity for them to obtain first-hand information regarding the effect of harvesting and ginning practices on cotton manufacturing. This information will then be used at the county level in an educational program to improve cotton quality."

### Roscoe Farmers' Gin Meets

E. W. Wiman is the newly-elected president of the Roscoe (Texas) Farmers' Cooperative Gin. Other officers and directors include A. J. Duncan, vice-president; R. H. Wharton, Jr., secretary; Ray Hendricks, W. H. Cooper, G. G. Price and M. T. Pointer. Manager of the gin is E. K. Willis.

### Boswell Sells Large Ranch

Del E. Webb Construction Co., Phoenix, Ariz., has announced the purchase of the 20,000-acre J. G. Boswell Co. ranches west of Phoenix for "more than \$20 million."

Webb officials said Boswell would continue to farm some of the land under a lease. The ranch land is in an area becoming urbanized by the growth of Phoenix.

### Lamb County Gin Elects

Lamb County (Texas) Cooperative Gin members elected the following officers and board members during their recent annual meeting: Jay Phillips, president; Walter Hill, vice-president; O. L. Walker, Joe Klaiber, W. P. Young, Luthur Woods and Herbert Dalle. Connie R. Dale is manager and secretary.

## MUSKOGEE STEEL STORAGE BUILDINGS

*For—*

- COTTONSEED
- SOY BEANS
- PEANUTS
- GRAINS

Designed, Fabricated and Erected  
Confer with us on your storage requirements

## MUSKOGEE IRON WORKS

Muskogee, Oklahoma

P. O. Box 1547

Phone: Murray 2-5521

PAPER AND METAL

# TAGS

Guaranteed Best Quality and Service

## Texas Tag & Specialty Co.

WOLFE CITY, TEXAS

ALL SIZES

ALL COLORS



# Cotton Qualities

## As Affected

## By Ginning

(This is one in a series of articles reporting the effects of ginning treatments, including maximum drying, maximum cleaning and combinations of these extremes; and of seed cotton storage on ginning performance, fiber qualities and combed yarn spinning properties, for Acala 1517C hand-picked cotton.)

**V**ARIOUS GINNING treatments have been used experimentally at the Southwestern Cotton Ginning Research Laboratory to determine their effects on: (1) ginning performances; (2) fiber quality; (3) spinning performances; and (4) bale values. This summary covers results obtained in subjecting seed cotton to excessive cleaning and drying, combinations of cleaning and drying treatments, and storage of the dried and cleaned bales prior to ginning.

The seven tested ginning treatments were as follows:

■ 1. No heat in drier, minimum cleaning (extractor feeder only), roller gin-(control treatment for roller ginning).

■ 2. No heat, minimum cleaning (extractor feeder only), saw gin-(control treatment for saw ginning).

■ 3. Maximum heat (350° F. thrice), minimum cleaning, roller gin.

■ 4. Maximum heat (350° F. thrice), minimum cleaning (extractor feeder only), saw gin.

■ 5. No heat, maximum cleaning (separator, tower drier, overflow, tower drier, separator, six-cylinder cleaner, stick remover, separator, overflow, separator, tower drier, separator, six-cylinder cleaner, bur machine, six-cylinder cleaner, separator, seven-cylinder cleaner, overflow, separator, extractor feeder, saw gin, and saw-type lint cleaner).

■ 6. Maximum heat (350° F. thrice as in No. 4) and maximum cleaning (as in No. 5).

■ 7. After seed cotton was treated as in No. 6, seed cotton was stored approximately four hours before ginning.

Thirty-five measured effects of six unconventional ginning treatments were compared with the saw ginning control treatment of no drying and minimum cleaning (No. 2). Also compared were the quality measurements of cottons representing early and late harvests, before and after frost, respectively. All cottons were hand-picked Acala 1517C variety. The early harvests were from crop years 1955, 1956, and 1957, and the late harvests were from the latter two years only.

Unless otherwise stated in the following remarks, all differences mentioned will infer statistically significant differences at the 95 percent confidence

By Walter E. Chapman, Jr.

Cotton Technologist;

and

Victor L. Stedronsky,

Agricultural Engineer;

Agricultural Engineering

Research Division

ARS-USDA

level. This implies that similar differences can be expected to occur at least 95 percent of the time under similar conditions.

GINNING CAPACITIES, compared with the control, were reduced by all other treatments, especially with the combination of maximum drying and maximum cleaning without storage (No. 6). With a 5-80 gin on a 20-hour run, this figures a difference of about 33 bales, even without allowing for the weight of bagging and ties. The late-harvested cotton ginned slower than did the early (table 1).

LINT TURNOUT, compared with the control, was reduced by all other treatments. It was the same for early and son cotton (table 1).

LINT MOISTURE CONTENT was drastically reduced by all treatments that included maximum drying, and was lower in late season than in early season (table 1).

TRASH IN GINNED LINT, determined with the Shirley Analyzer, was reduced by all treatments that included maximum cleaning and was greater for both roller ginning treatments, as compared with the saw ginning control. Late-season cotton was trashier than early season cotton (table 1).

GRADES generally were inversely proportional to trash in ginned lint. Grades, compared with the control, were higher for all other saw ginning treatments, especially the ones that included maximum cleaning, and were lower for the trashier roller-ginned cottons. When other fiber qualities, as affected by ginning treatments, are considered, grade alone does not provide an all-inclusive criterion for bale values, ginning performance, or spinning quality. The early

cotton graded one and one-third grades higher than the late crop (table 1).

STAPLE LENGTHS, whether saw ginned or roller ginned, were shortened by maximum heat treatments. The saw-ginned control (No. 2) and roller-ginned control (No. 1) averaged the same. Compared with the early harvested crop, the late crop was a full one-thirty-second-inch shorter (table 1).

FIBROGRAPH UPPER HALF MEAN LENGTHS were shorter for all other treatments than for the control. The effects of maximum drying and maximum cleaning were cumulative. The roller-ginned cotton was shorter than the saw-ginned cotton, and the effects of roller ginning and maximum heat were cumulative (No. 3). The late cotton averaged 0.05 inch shorter than the early (table 1).

FIBROGRAPH LENGTH UNIFORMITY, a measure of length distribution based on the relationship between mean length and upper half mean length, was reduced by all treatments that included maximum drying and even by roller ginning with no drying. The uniformity ratio for the late crop was lower than for the early (table 1).

FIBER TENSILE STRENGTH was reduced by all treatments except roller ginning with no heat (No. 1, table 1).

FIBER ELONGATION, or stretchability, was not affected by the ginning treatments but was slightly less in late harvest than in early harvest. (table 1).

THE ARRAY UPPER QUARTILE LENGTH was reduced by all treatments except by maximum cleaning alone (No. 5), and the late crop was shorter than the early (table 2).

THE ARRAY MEAN LENGTH was reduced by all treatments, and the late crop was shorter than the early (table 2).

THE ARRAY COEFFICIENT OF VARIATION, inversely proportional to Fibrograph length uniformity or with a negative correlation, was increased by all treatments except by maximum cleaning alone (No. 5), and was higher in late season than in early (table 2).

THE PERCENTAGE OF FIBERS ONE INCH AND LONGER, compared with the saw-ginned control, was reduced by all other treatments, and was lower in late season than in early (table 2).

THE PERCENTAGE OF FIBERS ONE-HALF INCH AND SHORTER was increased by all other treatments, and was greater in late season than in early (table 2).

COLOR, REFLECTANCE, RD, or brilliance, was not affected by any of the treatments or by time of harvest (table 2).

COLOR, YELLOWNESS, PLUS B, as opposed to greyness, was increased by heat treatments, but was reduced by roller ginning without heat. The late season, compared with early, had less yellowness or more greyness or blueness (table 2).

SEED COAT FRAGMENTS IN GINNED LINT were increased only by the two roller ginning treatments (Nos. 1 and 3), and there was no difference between early and late harvests (table 2).

LINTERS REMAINING ON COTTONSEED unfortunately were tested during only two of the five crop seasons. Indications are that there might be slightly more linters on seed associated with maximum drying

in the saw gin; however, there were fewer linters associated with roller ginning, especially with maximum drying. There were fewer linters on the late seed than on the early (table 2).

FIBER NEPS, or entanglements in the ginned lint, were increased in all the saw ginning treatments, especially when maximum cleaning was included. Fiber neps associated with roller ginning were very few, and there was no difference between early and late crops (table 2).

CARD WEB NEP counts were rather consistently on a higher level than were the fiber nep counts, indicating that additional neps were formed in the picking and carding processes. The card web nep counts were highest for excessive cleaning and were lowest for roller ginning. Unlike the fiber neps, the card web neps were much higher in late season than in early (table 2).

TENACITY OF FIBERS TO SEED was measured experimentally with unginned seed cotton feeder samples to determine the effects of maximum drying and maximum cleaning on the strength of attachment of fibers to seed. Although the slight differences were not found to be significant, research is being continued

on this experimental measurement in order to improve its accuracy and precision. Preliminary tests have indicated that tenacity might contribute to ginning capacity and lint turnout (table 2).

RESILIENCE OF FIBERS, or springiness after compression, was measured experimentally. Compared with the control lot, greater resilience was associated with the combination treatments of maximum drying and maximum cleaning, whether stored or not (Nos. 6 and 7); less resilience resulted from roller ginning (Nos. 1 and 3). The late crop cotton was more resilient than the early (table 2).

YARN STRENGTHS FOR 22S COUNTS, compared with the control, were reduced by all other ginning treatments (table 3).

YARN STRENGTHS FOR 60S COUNTS were reduced by all treatments that included maximum drying, but were not reduced by maximum cleaning alone or by roller ginning alone (Nos. 5 and 1, table 3).

YARN BREAK FACTORS, calculated from yarn strengths for both 22s and 60s counts, were reduced by all other ginning treatments, especially by all maximum heat treatments and by roller ginning (table 3).

YARN APPEARANCE, for 22s and 60s and the averages of the two counts, showed no effects resulting from the ginning treatments (table 3).

PICKER AND CARD WASTE, composed largely of leaf and other foreign matter associated with lower grades, was not reduced significantly by the saw ginning treatments that did improve the grades (Nos. 4, 5, 6 and 7). However, the roller-ginned cottons with lower grades had more picker and card waste than did the saw-ginned control (table 3).

COMBER WASTES, composed largely of short fibers, were highest for all ginning treatments that included maximum drying (Nos. 4, 6, 7 and 3). Comber wastes were not seriously affected by maximum cleaning or roller ginning without heat (Nos. 5 and 1, table 3).

PICKER, CARD, AND COMBER WASTES, composed of both foreign matter and short fibers, were increased over the control lot by both roller ginning treatments, but not by the harsh treatments in the saw gin (table 3).

ENDS DOWN, or yarn breakage in the laboratory spinning tests, were not af-

Table 1. Effects of ginning treatments on ginning performance, moisture and trash contents, and fiber properties.

Qualities measured	Saw ginned					Roller ginned		Harvest seasons <sup>1</sup>	
	No. 2 Control	No. 4	No. 5	No. 6	No. 7	No. 1	No. 3	Early, before frost	Late, after frost
	No heat, min. cl.	Max. heat, min. cl.	No heat, min. cl.	Max. heat, min. cl.	Max. heat, max. cl. (stored)	No heat, min. cl.	Max. heat, min. cl.		
Ginning capacity, lbs./saw hr.	9.2	8.2	7.9	7.1	7.9	—	—	9.7	8.4
Lint turnout, pct.	34.4	33.1	33.1	32.6	32.2	—	—	34.4	34.4
Lint moisture, pct.	5.39	1.83	4.32	2.01	3.02	6.50	2.54	5.74	4.86
Trash in lint, pct.	3.67	3.28	2.40	2.04	2.15	5.56	4.90	2.77	5.03
Grade, designation	M—	M+	SM—	SM—	SM—	SLM	SLM	M+	SLM
Staple, 1/32nd in.	36.4	35.8	36.5	35.9	36.0	36.4	35.8	36.9	35.7
Fibrogram, upper half mean, ins.	1.20	1.16	1.18	1.15	1.15	1.18	1.16	1.22	1.17
Fibrogram, length uniformity, ratio	82	79	81	79	80	80	80	80	80
Fiber strength, Fressley index	112	116	117	116	116	119	116	123	112
Fiber elongation, pct.	8.2	8.4	8.1	8.0	8.3	8.1	8.4	8.8	7.6

<sup>1</sup> Qualities measured to compare early vs. late harvests are averages for only saw-ginned control lots with no heat and minimum cleaning treatment (No. 2) for each of the two harvests.

Table 2. Effects of ginning treatments on fiber properties.

Qualities measured	Saw ginned					Roller ginned		Harvest seasons <sup>1</sup>	
	No. 2 Control	No. 4	No. 5	No. 6	No. 7	No. 1	No. 3	Early, before frost	Late, after frost
	No heat, min. cl.	Max. heat, min. cl.	No heat, min. cl.	Max. heat, min. cl.	Max. heat, max. cl. (stored)	No heat, min. cl.	Max. heat, min. cl.		
Array, upper quartile, ins.	1.34	1.32	1.33	1.31	1.31	1.32	1.31	1.37	1.30
mean length, ins.	1.12	1.08	1.10	1.06	1.08	1.09	1.07	1.17	1.06
coef. of variation, pct.	28	31	29	32	30	31	32	26	31
1 in. and longer, pct.	74.9	69.3	71.9	66.8	69.5	70.2	68.2	79.3	68.4
1/2 in. and shorter, pct.	6.9	8.4	7.7	9.5	8.6	9.0	10.2	5.3	9.5
Color, reflectance, Rd	79.2	79.3	79.9	79.3	79.3	78.8	78.6	79.3	79.0
yellowness, +b	8.3	8.6	8.2	8.7	8.7	8.1	8.4	8.5	8.0
Seedcoat fragments in lint, pct.	0.4	0.3	0.4	0.3	0.3	1.0	0.9	0.3	0.5
Linters on cottonseed, pct.	10.7	10.9	10.4	11.0	10.9	10.4	10.0	11.1	10.2
Fiber neps, per 100 sq. ins.	9	13	19	19	19	1	3	9	8
Card web neps, per 100 sq. ins.	14	16	21	17	21	5	8	6	22
Tenacity of fibers to seed, index	39.5	37.5	32.7	33.2	35.6	41.6	37.8	42.0	35.7
Resilience of fibers, cm.	0.93	0.97	0.95	1.00	0.99	0.74	0.86	0.89	0.97

<sup>1</sup> Qualities measured to compare early vs. late harvests are averages for only saw-ginned control lots with no heat and minimum cleaning treatment (No. 2) for each of the two harvests.

Table 3. Effects of ginning treatments on spinning performance, bale values, and overall qualities.

Qualities measured	Saw ginned					Roller ginned		Harvest seasons <sup>1</sup>	
	No. 2 Control	No. 4	No. 5	No. 6	No. 7	No. 1	No. 3	Early, before frost	Late, after frost
	No heat, min. cl.	Max. heat, min. cl.	No heat, min. cl.	Max. heat, min. cl.	Max. heat, max. cl. (stored)	No heat, min. cl.	Max. heat, min. cl.		
Yarn strength, 22s, lbs.	161.6	153.4	157.3	153.2	154.6	156.5	151.2	164.0	158.0
60s, lbs.	46.9	44.7	46.3	44.1	44.9	46.0	44.1	47.4	46.2
break factor	3185	3027	3119	3007	3048	3101	2985	3226	3124
Yarn appearance, 22s, index	112	110	104	104	102	114	108	113	110
60s, index	102	102	96	98	98	102	102	103	100
avg., index	107	106	100	101	100	108	105	108	105
Picker and card waste, pct.	8.60	8.41	8.03	7.58	7.95	11.23	10.76	7.59	10.13
Comber waste, pct.	11.65	13.34	12.05	14.22	13.85	12.50	14.21	10.06	14.04
Picker, card, and comber waste, pct.	19.23	20.64	19.11	20.72	20.70	22.30	23.44	16.89	22.74
Ends down, per 1,000 spindle hours	20.4	19.2	19.2	19.2	19.2	20.4	20.4	24.8	13.8
Bale values, dollars	172.95	166.05	176.00	169.4	171.27	165.98	158.63	180.78	161.20
Overall quality (Bailey), index	93.2	91.4	92.9	92.0	91.8	90.6	89.9	96.4	88.4

<sup>1</sup> Qualities measured to compare early vs. late harvests are averages for only saw-ginned control lots with no heat and minimum cleaning treatment (No. 2) for each of the two harvests.

fected in these tests by any of the ginning treatments (table 3).

**BALE VALUES**, the measurements closest to the producer's pocketbook, were calculated not only on grade and staple but included weight losses determined by laboratory analyses for moisture and foreign matter contents. Maximum drying reduced moisture weights in the ginned lint to the extent that such treatments caused lower bale values even when the grades were improved. Compared with the saw-ginned control treatment (No. 2), all treatments that included maximum heat or were roller ginned had lower bale values (table 3).

**OVERALL QUALITY INDEXES**, calculated with T.L.W. Bailey's formula which takes into account 11 measurements of quality, were reduced by maximum drying and by roller ginning whether dried or not (table 3).

#### Conclusions

The producer can often obtain more dollars per bale for cotton that does not necessarily grade the highest. Attempts to produce quality cotton through selection of a recommended variety and through careful harvesting of cotton in order to deliver it dry and clean to the gin can improve bale values. Losses of weight of moisture and foreign matter associated with maximum drying and maximum cleaning in the gin can offset the advantages of the resulting higher grades. The producer can improve his own economy by being bale value conscious rather than strictly grade conscious.

The ginner can improve his own economy by using no more heat or cleaning equipment than necessary to do a good job of ginning which according to the test results, will allow him to gin more bales per day.

Cotton qualities, as they affect spinning performance and end products, are of chief concern to the spinners who buy the cotton.

Although all the cottons used in these tests were of rather high quality even following extreme ginning conditions, there were, comparatively, definite and significant measurable damages caused by some of the ginning treatments. The entire industry, including the producer, the ginner, and the spinner could profit by temperance in the use of drying and cleaning facilities in the gin.

#### Crushers Meet in Waco

Members of Texas Cottonseed Crushers' Association held an area meeting at Waco on June 21. Association officials outlined current developments and activities, after which there was a roundtable discussion of plans for the new cotton season.

#### Many To Attend Clinic

Many members of Texas Cottonseed Crushers' Association have enrolled for the Sales Clinic to be held at Texas A&M College, July 27-28. The complete program for this meeting, arranged with the cooperation of the NCPA Research and Educational Division, was summarized in *The Press* on July 11.

■ **JIMMIE CRAWFORD**, manager of the Paymaster Gin at Muleshoe, Texas, has been transferred to the Sawyer Flat Paymaster Gin, as manager.

THE COTTON GIN AND OIL MILL PRESS  
JULY 25, 1959

#### Need For Soybeans

(Continued from Page 12)

gart, Ark.; Simcox; John H. Butterfield, Pana, Ill.; Albert Dimond, Lovington, Ill.; Walley, Fort Wayne, Ind.; Chester B. Biddle, Remington, Ind.; Strayer; Howard L. Roach, Plainfield, Iowa; Walter M. Scott, Jr., Talulah, La.; John W. Evans, Montevideo, Minn.; Charles V. Simpson, Waterville, Minn.; O. H. Acom, Wardell, Mo.; Sawyer; David G. Wing, Mechanicsburg, Ohio; A. E. Jolley, Chatham, Ontario, Canada.

• **Processors' Meeting**—Soybean processors will meet on the day before the opening of the ASA convention, as has been customary, and remain for the following days.

A business session, limited to the membership, will hear the annual reports of National Soybean Processors' Association officials, and of the director of National Soybean Crop Improvement Council.

John H. MacMillan, Jr., chairman of the board, Cargill, Inc., Minneapolis, will address the annual luncheon.

Speakers at the afternoon session that day will be Howard L. Roach, Waterloo, Iowa, president of the Soybean Council; David J. Bunnell, New York, vice-president, Lever Brothers Co.; and Oakley M. Ray, Chicago, market research director, American Feed Manufacturers' Association.

A reception and dinner are scheduled that evening.

The Crop Improvement Council will hold its annual meeting during the morning of Aug. 10, and its advisory board will meet on Aug. 11.

National Soybean Processors' Association is headed by M. D. McVay, Minneapolis, chairman of the board; and Glenn Pogeler, Mason City, Iowa, vice-chairman. R. G. Houghtlin, Chicago, is president. Donald B. Walker, St. Louis, is secretary; and Harold A. Abbott, Bloomington, Ill., is treasurer.

## SERVING COTTON GINS AND OIL MILLS



#### WHO ARE THE READERS?

The paid subscribers to *The Cotton Gin and Oil Mill Press* are cotton ginner and oilseed processors from California to the Carolinas. Total average distribution is 7153. This includes approximately 85% of the active cotton gins in the nation, plus complete coverage of the processors of cottonseed, soybeans, peanuts, flaxseed, and tung nuts.

#### ADVERTISING ACCEPTANCE?

For 53 years leading industrial firms have used *The Cotton Gin and Oil Mill Press* to promote the sale of machinery, power units, auxiliary equipment and supplies. This publication is now in the unusual but gratifying position of being the only magazine which exclusively serves the cotton ginning and oilseed processing industries. This field represents an invested capital of \$750,000,000... ten percent of which (\$75,000,000) is spent each year for replacement, repairs, and new equipment.

#### EDITORIAL COVERAGE?

Covering not only current news of the industry, *The Cotton Gin and Oil Mill Press* reports on new products, new processes, and new equipment available to the trade. It attempts to foster cooperation between all branches of the industry, and deals with problems of management, safety, production, and research. A representative in Washington, D. C., keeps readers constantly informed on legislative and political matters affecting the industry. Cotton ginner and oil millers have looked to this publication for complete news of the industry since 1899.

Concentrate YOUR SALES MESSAGE  
TO THE GIN AND OIL MILL INDUSTRY...

ADDRESS ALL INQUIRIES TO P. O. BOX 7985, DALLAS 26, TEXAS







## ==Gin Saws== For All Gins

Distributed Around The World

**COTTON BELT GIN SAW MFG., INC.**

*"Largest Exclusive Manufacturer of Gin Saws in America"*

500 South Haskell

DALLAS, TEXAS

Phone TAYlor 7-5425

## FROM THE SOUTH... TO MILLIONS EVERYWHERE!

Day after day, a constant stream of vegetable oils comes from producers throughout the South to be processed at southern Procter & Gamble plants. Tremendous quantities of these oils go into the making of Crisco, Primex, Sweetex and Flake-white shortenings, and Puritan Oil.

The processing done at these plants benefits countless people throughout the South. The users of our products made from south-produced oils . . . the many southern firms that supply P&G with services and materials . . . the P&G workers themselves. In addition, the money P&G spends on payrolls and taxes benefits every community where its plants are located.



So, from the South . . . to millions everywhere—go Procter & Gamble products which are helping to build a better, more prosperous future for all.



**PROCTER & GAMBLE** AMERICA'S LARGEST REFINERS  
AND USERS OF COTTONSEED OIL, SOYBEAN OIL AND PEANUT OIL

## A NEW SERVICE AND SAVINGS for COTTON GINS and OIL MILLS

Manufacturers • Distributors

**SPECIALIZING IN:**

Fabricating	Machinery Erection
General Machine Work	General Repair Service
Gin Saw and Rib Work	Designing and Manufacturing

Distribution of Associated Equipment for  
Cotton Gins and Oil Mills

**West Texas Machinery & Equipment Co.**

Night Phone  
PO 5-9951

2210 East 50th St.  
LUBBOCK, TEXAS  
P. O. Box 526

Plant Phone  
SH 4-7366

## Oil Mill Workers Reject Union

Plains Cooperative Oil Mill employees voted 109 to 23 against representation by United Packinghouse Workers of America for collective bargaining. National Labor Relations Board held the election on July 17 in Lubbock.

## Linter Firm Head Dies

David L. McKee, owner of D. L. McKee Co., linter firm in Memphis, died July 7. He had been in the cotton business since 1914, was a veteran of World War II and served with CCC in Washington. He is survived by his wife and two sisters.

## Laboratory Dedicated

Otto Goedecke Co., Hallettsville, Texas, had a barbecue and open house July 18 for the dedication of new offices and laboratory. The former offices and sample room have been enlarged and a new laboratory built. Joel Hembree is research director in charge of the laboratory.

■ **BECKY BARKSDALE**, granddaughter of Mr. and Mrs. Harris Barksdale (he was manager of the Jackson mill of Southland Cotton Oil Co., now retired) was graduated from Murray High School in June, making straight A's on all her final grades. She was commended for Superior Performance in the National Merit Scholarship Qualifying Tests in the 1958-59 program. She will enter Southwestern University at Memphis this fall.



## Heads Memphis Group

**JOHN F. MOLONEY**, secretary-treasurer, National Cottonseed Products Association, has been elected president of Memphis Association Executives. Thomas Birchfield, Southern Sash and Door Jobbers, is vice-president; and Miss Louise Paine, National Cotton Compress and Cotton Warehouse Association, is secretary-treasurer.



## Cotton Research Center

(Continued from Page 7)

the Crop Pest Commission—which controls insects and pests for growers, the seed certification work, including the Crop Improvement and Foundation Seed Association, and the training center for the state's youth—4-H and FFA.

The campus is visited yearly by thousands for Farm and Home Week in August; and national, regional and state conventions and meetings in The Clemson House, college-owned hotel overlooking the distant Blue Ridge Mountains.

### Training Ginning Engineers

It was at one of these sessions that Clemson's unique cotton ginning engineering curriculum was nurtured. The first harvest came on June 7—when Zachary A. Henry, Stockbridge, Ga., became the program's first master of science recipient. A second, David Witt Chandler, North Little Rock, Ark., will complete work in August; and others soon will complete their theses. The master's degree is offered in agricultural engineering with a concentration in ginning engineering.

The program was introduced two years ago as a cooperative venture between the School of Agriculture and the Cotton Research and Educational Foundation, Memphis.

Courses are given at both the undergraduate and graduate level in the department of agricultural engineering, with a limited number of fellowships sponsored by the foundation. Students receive training in engineering and other subjects with emphasis on aspects applicable to ginning efficiency and fiber preservation.

The instruction, says A. B. Snell, head of the department, fills a void in agricultural education long-recognized by the cotton industry. Professor James Anderson is in direct charge of the work.

"Previously, no training facility was available for producing technically trained personnel to perform research, development, education, sales and service work required," Snell reports, "to provide the cotton industry with machinery, methods, and operational knowledge for efficiency and quality ginning."

"Graduates will supply an increasing demand for college-trained men by state and federal extension services, USDA ginning laboratories, gin machinery manufacturers and commercial gins."

The program realizes an unprecedented cycle. Students are able to observe and study cotton from the time it is planted to the final, finished product.

### Ginning Laboratory

This cycle is possible largely because of the location here, since 1955, of the Southeastern Cotton Ginning Laboratory.

Ginning, last stage in production, has undergone more changes in requirements since 1930 than in the preceding 100 years. The Clemson lab, in conjunction with similar facilities in Stoneville, Miss., and Mesilla Park, N.M., conducts research in conditioning, cleaning, extracting, separation of lint and seed, lint cleaning, packaging and baling collection and disposal of lint and seed, and—in recent years—storage and handling.

The ginner can only preserve the inherent qualities of cotton; he does not improve them. Research has allowed a higher quality fiber to be sold and better seed for planting and commercial use.

The facilities at Clemson include

\$100,000 worth of gin machinery and a staff of three engineers, a mechanic, secretary, mechanics helper and a student trainee. A gin sample clinic determines the trash content of the lint and seed, the moisture content of the elements, and the fiber characteristics, if the need arises.

Current projects include adapting and testing gin machinery and techniques in different locations in the Cotton Belt; determination of ginning characteristics as effected by new and improved varieties of cotton and new cultural practices; measuring fiber properties of cotton as effected by gin processing; determination of optimum moisture content of cotton for gin operation; and storage and handling of seed cotton.

To insure a satisfactory program beneficial to all, the government experimental laboratories cooperate with Experimental Stations in the various states, ginner's organizations, trade organizations, and individuals.

### Spinning Laboratory

The new pilot spinning lab has been called the 'missing link' in cotton research. Dr. Omer W. Herrmann, deputy administrator, Agricultural Marketing Service, reports from Washington that, as a research tool, the facility is designed "to bridge the gap between present methods of evaluating cotton quality and those which could more objectively, accurately and economically predict the performance of American cotton."

Work has been planned for 16 or 17 months. The first research job of the lab deals with three lots of cotton—one from California, two from Mississippi. Workers are studying quality, and cost effects of various harvesting, drying, ginning and cleaning practice. Certain portions of these cottons are being carried through spinning only. The remainder will involve not only spinning—but also weaving and finishing through contractual arrangements.

Other spinning performance research is planned for accelerated ends-down tests, evaluation of the carding cleaner equipment developed by the Southern Regional Research and Development Division, analysis of a range of mixes of cotton of contrasting fiber characteristics, and mill performance of chemically treated cottons.

And that's just the beginning, echo representatives of the cotton industry.

Dr. George S. Buck, Jr., assistant to the vice-president, National Cotton Council of America, Memphis, noted "real encouragement" after a recent visit here. To appreciate the significance of the new quality research lab, he says, "It is necessary to look at the raw cotton industry, its struggle to be competitive in price and cost, and to consider the headaches that have come from increased mechanization."

Trash as well as cotton is picked by mechanical pickers, he illustrates—causing substantial changes in ginning methods. "The cotton now reaching the mills is of a poorer quality than it was in the past."

Cites Dr. Buck: "We need more research in picking, ginning and marketing tools. It can start and be built around this pilot plant at Clemson."

Dr. J. P. Elting, chairman, Research and Technical Service Committee, ACMI, and with Research Laboratories, The Kendall Co., Paw Creek, N.C., is optimistic that the laboratory will be able to tell the industry how to recognize and measure true performance and true value of cotton.

"This laboratory," he challenges, "has the urgent responsibility of coming up with true commercial standards of cotton."

Dr. Elting opines that technological advances have brought more confusion than progress to the textile industry. "An example of this confusion, and perhaps the reason for it," he says, "is the billion dollars invested in federal price support for cotton without basis for commercial classification. One objective is to assist in the manufacture of a quality product at a minimum cost. But quality and cost depend on the quality and price of the raw material that we use in the mills."

He points out that "the manufacturing side" of the industry has been unable to cope with results of rapid method changes by producers and ginners. "The quality we are getting," he appraises, honestly, "has been adversely affected by the technological changes. The result has been higher cost cotton that costs more to process, and which produces an inferior fabric."

"This brings the problem directly to the mill door in the form of a bale of cotton," he says.

Recently, before a House Appropriations Subcommittee, Arthur W. Fisher, vice-president and cotton buyer for Cannon Mills, Kannapolis, N.C., sounded the battle cry versus synthetics.

Referring often to "gross deterioration" in spinning quality, he said the proportion of short fibers has increased, the effective strength of the fiber has been reduced and the general fine character of the natural cotton fiber has been lost. "This has placed cotton at a further disadvantage in competing with other fibers, and is an added inducement," he theorized, "for mills to switch to synthetics."

Tests completed at Joanna Cotton Mills, Joanna, S.C., according to Fisher, proved that "tremendous variations in manufacturing costs were caused by different ginning processes." Half of the so-called higher grade bales, these tests showed, produced cotton cloth which was considered unsalable in the regular goods market. The labor costs involved in producing cloth from the highest grade bales was almost twice as high as the cost of producing cloth from the lower grade bales.

Since the Joanna tests demonstrate "vividly" that the true measure of quality lies in the finished product, argued Fisher—"it is essential that these research facilities of the Department of Agriculture be extended to the entire manufacturing process, including weaving and finishing."

Therefore, the industry has been asking \$400,000 to install weaving and finishing facilities at the Clemson plant in the fiscal year 1960. The \$100,000 for a two-shift operation is needed to erase a backlog of "some 15 months work" here.

Addition of the 'missing link' summarily means, cotton men prophesy, that cotton sent to the marketplace will bring more value, based on spinability.

The upshot of this 'field to fabric' research is a better economic position for both farmers and manufacturers.

■ GILES COORS, JR. of Memphis, who is associated with Fred Lovitt & Co., cottonseed and soybean oil meal brokerage firm, has been elected vice-president of the Memphis Handball Association. He is one of Memphis' leading handball players.

## Six Texas Groups To Name Delegates to Council

Plains Cotton Growers, Inc., will join five other Texas producer organizations in choosing the eight producer delegates to the National Cotton Council in the future. W. O. Fortenberry, PCG president, announced that his group would participate in naming delegates following a producer meeting in Dallas.

Other organizations that participate in selecting producer delegates in Texas are Texas Farm Bureau, Texas Federation of Cooperatives, Texas Cooperative Planting Seed Association, Southwestern Irrigated Cotton Growers, and Texas Cotton Growers' Cooperative Marketing Association.

## Textile Mills Report Upturn Continuing

The upturn in textile mill production continues, American Cotton Manufacturers' Institute reports. The 12 months ended in May, 1959, showed a 22 percent rise in the index of textile and apparel production.

Exports of both cotton cloth and man-made fiber fabrics are continuing the downward trend of the past two years while imports pursue an upward course.

Cotton cloth exports are moving at an annual rate of 467 million square yards, as compared with 501 million in 1958 and 548 million in 1957. Through April, cotton cloth imports reached an annual rate of 147 million square yards as compared with 142 million in 1958 and 122 million the previous year.

## Now You Know All

### Economist Tells How To Win At Stocks and Bingo

Our favorite economist is at it again. Herbert A. Leggett, the erudite editor of *Arizona Progress*, published by Valley National Bank, Phoenix, has succumbed to popular demand for the last word on the stock market. Here are his last words on this subject (we hope):

#### The Stock Market

We can't duck the issue any longer. For years we have avoided writing about the stock market, but people are becoming suspicious. They are probably thinking, "Maybe this fellow doesn't know anything about the market. Maybe he is just an outside dope without any inside dope. Maybe we should cancel our subscription to *Arizona Progress* and rely entirely on Sylvia Porter." Obviously we don't want such rumors to get started.

So give heed while we divulge how to ☐ double, ☐ triple, or ☐ quadruple your money. (Check preference.) In deciding what to buy, here are some criteria. If a stock yields five percent it can't be any good; if it yields three percent it is probably a blue chip with no oomph; if it yields two percent it must be a hedge against inflation since there is no other reason to buy it, and if it yields one percent it is a "growth situation," meaning that no one can figure out what it is worth. The next step is more difficult. One must avoid buying the right thing at the wrong time, the wrong thing at the right time, the wrong thing at—oh well, that is the general idea.

The only other matter you should know about is Economics. However, you don't need to understand it. No one does—so your theory is as good as anyone's. Not to be outdone, we also have a Theory. We have observed that when unemployment goes up the stock market also goes up. This is not as crazy as it sounds. Nothing could be. It works like this. When people are unemployed they have nothing else to do but play the stock market. Then when the market rises, they make so much money it isn't necessary to go back to work. This becomes sort of a vicious circle—and it is certainly no way to solve the unemployment problem.

Finally, in case you have the stock market confused with Bingo, bear in mind that the former is not a game but a way of life. Once addicted to capital there is a

tendency to look down upon stodgier and sweatier means of livelihood. As the People's Capitalism gradually encompasses everyone from labor leaders to schoolteachers, there may be less criticism of the ill-gotten gains frequently enjoyed by American investors.

## Western Conference To Be March 1-2

March 1-2 will be the dates for the 1960 Western Cotton Production Conference, and the meeting will be held at Bakersfield, Calif. The Conference is sponsored by National Cotton Council in cooperation with cotton organizations of the Far West.

## George D. Coley Dies

George D. Coley, 47, Southern Cotton Oil manager at Rocky Mount and vice-president of North Carolina Cottonseed Crushers' Association, died July 18 following a heart attack. Survivors include his wife, two daughters, two sisters and a brother.

## Ginners Tour Laboratory

Seventy-five Tennessee ginners and friends visited USDA Cotton Ginning Laboratory, Delta Station and Delta and Pine Land Co. in Mississippi July 16-17. Tennessee Ginners' Association was host at a banquet; and J. A. Mullins, Tennessee Extension ginning specialist, and Harold Williams, Association secretary, arranged the tour.

## 24,936 Bales Ginned

Ginnings in Texas Rio Grande Valley have reached 24,936 bales, Valley Farm Bureau reports. This compares with 33,000 on the same date last season and 108,000 two years ago.



**KEEP YOUR GIN YARD FULL!**

Use BELTON SUPERIOR BAGGING  
and they'll KEEP COMING BACK!

2 lb. weight — 21 lbs. TARE  
Open weave Jute Bagging  
Pretested for uniform strength  
Makes cleaner, stronger bales

“Built to Stand the Pressure”

**BELTON BAGGING CO.**  
Belton, South Carolina

**"GIN"**  
**BLOWER-CLEANER**

**TRY IT FREE!**



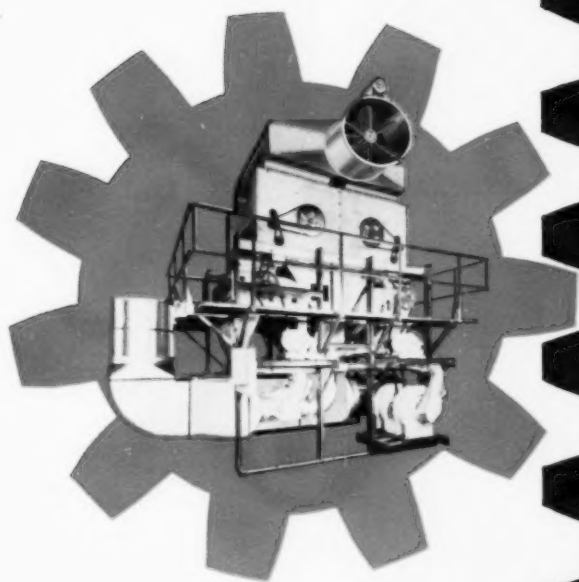
**ACE** POWERFUL  
1-1/3 H.P. BLOWER

**STANDARD FOR ALL GINS... THOUSANDS IN USE!**

- Keep your gin motors free of lint... prevent overheating and burn-outs.
- Plenty of power for all gin cleaning.

**WE WILL SEND ONE FOR FREE TRIAL.**  
WRITE FOR DETAILS NO OBLIGATION

**ACE-SYCAMORE, INC.**  
446 DEKALB AVE. SYCAMORE, ILL.



*geared  
to top  
performance*

# MOSS LINT CLEANERS

*provide unmatched service and satisfaction*



The busy ginning season is *no* time for *down* time! Precision engineered MOSS LINT CLEANERS are establishing top records of perfect performance hour after hour, day after day with seldom a single stop for servicing. The MOSS is a work-horse . . . not a temperamental, experimental piece of equipment. In every MOSS there is the "built-in bonus" of engineering experience.

This saving in operation and maintenance cost is only a part of the profit picture for you. MOSS LINT CLEANERS have a proven history of raising all cotton a full grade or more, improving color and providing uniform staple length. This means added dollars on every bale for the grower . . . greater ginning volume for you. MOSS LINT CLEANERS are geared to give you the *most* for your investment. Call or write for details now!

**MOSS-GORDIN**  
LINT CLEANER CO.

3116 Main Street  
Dallas, Texas  
Third Street & Ave. O.  
Lubbock, Texas  
1132 S. Third Street  
Memphis, Tennessee



**MOVE TO THE  
WITH THE GREAT NEW**

The C-DOUBLE-X was *meant* to be better — *is* better! Available with push-button automation and our famous Hot Roll Box.

Has great flexibility and is completely adaptable to all varieties and harvesting conditions.

You and your customers deserve the *best* — so move to the TOP with the C-DOUBLE-X 120-Saw Gin . . . without question, the world's finest.

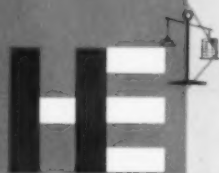
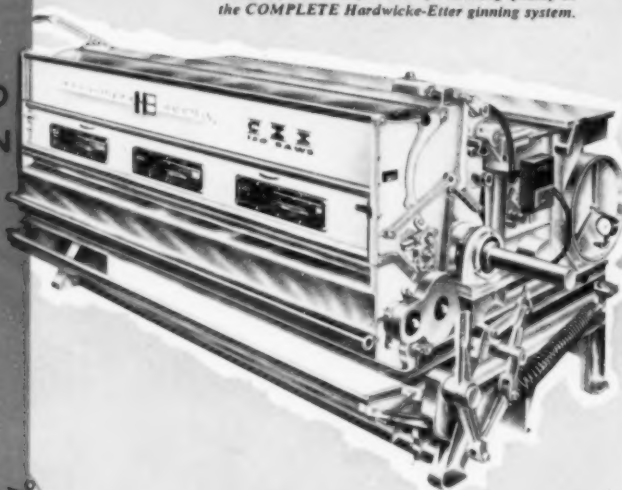
DON'T CANCEL OUT lint cleaning advantages by risking damage to staple with double or tandem cleaning. *Play safe!* Install Split-Stream Lintmaster — the lint cleaner the mills asked for!

**TOP**

**CXX 120  
SAW GIN**

**A NEW STANDARD OF QUALITY**

*The superb machine you see here is but one of many superior components of matching quality in the COMPLETE Hardwicke-Etter ginning system.*



**HARDWICKE-ETTER**

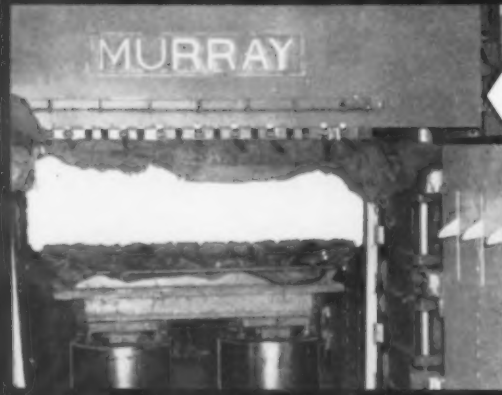
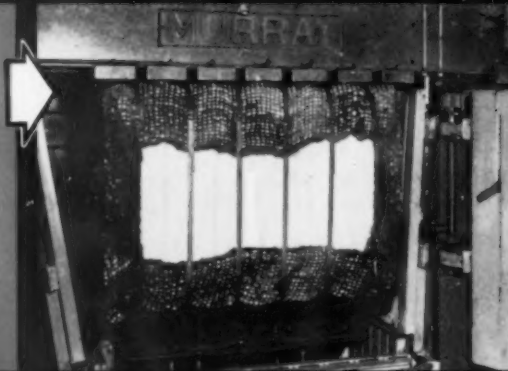
**SHERMAN, TEXAS**

**ALL YOU NEED TO KNOW ABOUT GIN MACHINERY**

**IF YOU WANT**

**STANDARD FLAT BALES**

A Murray Press is the answer — quick and easy handling . . . neat, compact bales.



**OR IF YOU WANT**

**HIGH DENSITY**

Again a Murray Press is the answer, the giant "PHD" for standard or "Hi D," neat, compact bales.

THE  
**M  
U  
R  
R  
A  
Y**

COMPANY  
OF  
TEXAS, INC.



